

Display Terminals: Comparison Columns



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Synopsis

Editor's Note

This report presents detailed information about the major alphanumeric display terminals currently available in the U.S. and Canada. For the first time, we also provide coverage of the emerging and rapidly expanding X terminal sector of the display industry.

A separate market overview identifies the major display terminal vendors and discusses market trends. A technology overview discusses the technical aspects of display terminals and addresses pertinent issues related to display terminal selection.

Comparison Column Highlights

This report provides information about more than 155 products offered by 30 vendors. The absence of any vendor or product from the columns means that the company either failed to respond to our repeated requests for information or declined to be part of the survey.

Alphanumeric displays new to this report include Digital Equipment's VT420 display, the 3270-compatible Memorex Telex 1471/1472 display series, and Wyse Technology's WY-360 graphics display. This report also covers Hewlett-Packard's newly released 700/RX Series of X terminals—the first products to offer a RISC-based architecture—and the latest X terminal offerings of NCD, Tektronix, Human Designed Systems, and a number of other vendors.

Vendors

Alphanumeric Display Terminal Vendors

Apertus Technologies

7275 Flying Cloud Drive

Eden Prairie, MN 55344 (612) 828-0300

Applied Digital Data Systems

100 Marcus Boulevard

Hauppauge, NY 11788 (516) 231-5400, (800) 231-5445

Cumulus Technology Corp.

1007 Elwell Court

Palo Alto, CA 94303 (415) 960-1200, (800) 648-6004

Data General Corp.

3400 Computer Drive

Westborough, MA 01580 (508) 366-8911

Decision Data Computer Corp.

1 Progress Drive

Horsham, PA 19440 (215) 674-3300, (800) 523-5357

Digital Equipment Corp. (DEC)

146 Main Street

Maynard, MA 01754 (508) 493-5111, (800) 344-4825

Esprit Systems, Inc.

275-S Marcus Boulevard

Hauppauge, NY 11788 (516) 273-2100, (800) 645-4508

Falco Data Products, Inc.

440 Potrero Avenue

Sunnyvale, CA 94086 (408) 745-7123

Harris Adacom Corp.

16001 Dallas Parkway

Dallas, TX 75380-9022 (214) 386-2000

Hewlett-Packard Co.

Business Computing Systems

19091 Pruneridge Avenue

Cupertino, CA 95014 (800) 752-0900

Human Designed Systems, Inc.

421 Feheley Drive

King of Prussia, PA 19406 (215) 277-8300, (800) 437-1551

IDEA Courier, Inc.

1515 W. 14th Street

Tempe, AZ 85281 (602) 894-7000

IDEAssociates, Inc.

29 Dunham Road

Billerica, MA 01821 (508) 663-6878, (800) 257-5027

International Business Machines Corp. (IBM)

Old Orchard Road

Armonk, NY 10504

Contact your local IBM representative

Lee Data

(A Div. of Intelligent Information Systems, Inc.)

10230 W. 70th Street

Eden Prairie, MN 55343 (612) 828-0400, (800) 533-3282

LXE Inc.

303 Research Drive

Norcross, GA 30092-2993 (404) 447-4224

MAI Systems Corp.

14101 Myford Road

Tustin, CA 92680 (714) 731-5100

Memorex Telex Corp.

6422 E. 41st Street

Tulsa, OK 74135 (918) 627-1111, (800) 950-3465

NCR Corp.

1601 S. Main Street

Dayton, OH 45479 (513) 445-7478

Qume Corp.

500 Yosemite Drive

Milpitas, CA 95035 (408) 942-4000, (800) 223-2479

Sherwood/Kimtron

(A Div. of Inkel Technology, Inc.)

4181 Business Center

Fremont, CA 94538 (415) 623-8900, (800) 777-8755

Tektronix, Inc.

P.O. Box 1000

Wilsonville, OR 97070 (503) 682-3411, (800) 225-5434

Teleray, Inc.

P.O. Box 24064

Minneapolis, MN 55424 (612) 941-3300

TeleVideo Systems, Inc.

550 E. Brokaw Road

San Jose, CA 95161 (408) 954-8333, (800) 835-3228

Visentech Systems, Inc.

1825 E. Plano Parkway, Suite 160

Plano, TX 75074 (214) 423-1677

Westinghouse Canada

Information Services Division

777 Walkers Line, P.O. Box 5009

Burlington, ON L7R 4B3 (416) 528-8811

Wyse Technology, Inc.

3471 N. First Street

San Jose, CA 95134 (408) 473-1200, (800) 438-9973

X Terminal Vendors

Applied Digital Data Systems

100 Marcus Boulevard

Hauppauge, NY 11788 (516) 231-5400, (800) 231-5445

Data General Corp.

3400 Computer Drive

Westborough, MA 01580 (508) 366-8911

Digital Equipment Corp.

146 Main Street

Maynard, MA 01754 (508) 493-5111, (800) 344-4825

Hewlett-Packard Co.

Business Computing Systems

19091 Pruneridge Avenue

Cupertino, CA 95014 (800) 752-0900

Human Designed Systems, Inc.

421 Feheley Drive

King of Prussia, PA 19406 (215) 277-8300, (800) 437-1551

Alphanumeric Display Terminals Comparison Column Entry Descriptions

Vendor and Product

The name of the manufacturer and the product's name and model number are listed at the top of each column.

Type of Display Terminal

Functional Category.

Asynchronous displays generally fall into one of four categories: ASCII; ANSI (Digital VT compatible); ASCII/ANSI (displays capable of emulating both types); and ASCII/ANSI/PC terminals, which provide a third mode of operation. In PC terminal mode, multiple displays connect to a supermicro-computer to form a multiuser system.

Synchronous display terminals are generally IBM 3270 or IBM midrange products.

Graphics Capability.

Some alphanumeric display terminals can generate bar charts, pie charts, and graphs. An affirmative answer in this category usually indicates the presence of line drawing or special graphics character sets. It does *not* imply the presence of highly sophisticated graphics capabilities found on graphics-dedicated terminals.

Compatibility. Some products can replace display terminals manufactured by Digital, IBM, and Unisys. Either of two types of compatibility can be offered: transmission or plug-to-plug compatibility. Transmission compatibility requirements include identical protocol,

code and unit code structure, timing, asynchronous or synchronous operation, and transmission speed. Most vendors with transmission-compatible units offer additional features and functions not found in the original vendor's equipment, implemented via minor changes in host software. Units with true plug-to-plug compatibility not only have identical transmission parameters but also identical features and functions.

Communicates with Host.

Asynchronous displays and IBM midrange displays can communicate with the host directly. Often, however, a terminal server (for asynchronous displays) or a communications controller (for IBM midrange displays) is used to concentrate multiple terminal transmissions onto a single line and to relieve the host of much of the overhead involved in managing multiple display terminals. IBM 3270-compatible displays always communicate with

their host through a communications controller, such as the IBM 3174.

Plug-compatible displays are designed to be completely interoperable with an IBM controller or Digital terminal server. Some displays, however, are designed to provide extra features using a proprietary controller or terminal server.

Hardware Specifications

Screen Size. The screen size is measured diagonally and stated in inches.

Display Pedestal. Display terminals commonly include a pedestal that provides some vertical tilt, horizontal swivel, and, in some cases, height adjustment capability. These features allow the user to achieve the best viewing position.

Keyboard. In this section, vendors first specify the types of *U.S. keyboard styles supported*. Commonly supported styles include data entry, typewriter, and vendor-specific keyboard

Jupiter Systems

1100 Marina Village Parkway
Alameda, CA 94501 (415) 523-9000

NCR Corp.

1601 S. Main Street
Dayton, OH 45479 (513) 445-7478

Network Computing Devices, Inc.

350 N. Bernardo Avenue
Mountain View, CA 94043 (415) 694-0650

Tektronix Inc.

P.O. Box 1000
Wilsonville, OR 97070 (503) 682-3411, (800) 225-5434

Visual Technology, Inc.

120 Flanders Road, P.O. Box 5033
Westborough, MA 01581 (508) 836-4400

Wyse Technology, Inc.

3471 N. First Street
San Jose, CA 95134 (408) 473-1200, (800) 438-9973

arrangements such as IBM Enhanced PC and Digital VT300. Vendors also specify the number of *international keyboard versions*, if any, they offer and the number of *programmable function key combinations* are provided per keyboard.

Other Equipment Supported. Support for a display-attached printer is almost universal today. Some display terminals also support equipment such as a mouse, a tablet, a light pen, a bar code reader, an optical scanner, or a magnetic stripe card reader.

Internal Memory (bytes). Many display terminals can retain in memory more characters than can be presented on the screen. Some vendors specify internal memory in terms of the number of screens of text; others state the amount of random access memory (RAM), in kilobytes. A few provide both types of information.

Display Attributes
Display Color(s). Vendors manufacture both monochrome and color display terminals. The most common monochrome colors are amber, green, and white. For color displays, vendors state the number of foreground and background colors that can be presented simultaneously.

Number of Shades (for graphics terminals). Some color display terminals provide a palette of shades from which to

choose, and some monochrome display terminals with graphics capability can produce a range of gray shades. Vendors specify here the number of shades or enter "not applicable."

Resolution. Vendors define screen resolution in either of two ways: the character matrix or pixel resolution. The *character matrix* refers to the arrangement of points of light, horizontally and vertically, used to form individual characters. *Pixel resolution* refers to the total number of points, horizontally and vertically, generated on-screen. In either case, the greater the point density, the higher the image quality.

Refresh Rate (Hz). The number of times, per second, that the display's electron beam scans the entire screen, referred to as the refresh rate, is another factor that determines image clarity.

Multisession Capability
Number of Concurrent Sessions. Some displays allow access to multiple concurrent sessions, either on the same host computer or on multiple hosts. In some cases, the user "hot keys" between these sessions; in other cases, the user can display multiple sessions in windows. (Windowing capability is covered in one of the following entries.) For display terminals that do not support more than one session, "not applicable" is entered here.

Session-to-Session Copy Capability. In this entry, vendors specify whether it is possible to copy and paste text from one host session to another.

Text Processing Features
Screen Arrangements.

Information displayed on the screen of a CRT is generally arranged according to an orderly format consisting of a maximum number of printed lines per screen and characters per line. The most common display capacity is 1,920 characters, arranged in 24 lines of 80 characters. Many vendors offer 132-character display lines, which can eliminate the need to revise or patch software designed for standard 132-column printers or to maintain dual sets of programs for 80-column and 132-column output.

Split-Screen Capability. Some display screens can be partitioned into a number of separate horizontal or vertical work spaces. Data in each work space can be manipulated (e.g., scrolled, stored, or transmitted) independently of the others.

Operator Area. Many display terminals feature a status line for system-generated messages. Some also offer a second area for displaying terminal-specific information, such as the row and column currently occupied by the cursor.

Display Attributes. The CRT can display characters in an endless number of formats. Commonly supported visual attributes include boldface, blinking, underlining, and reverse video. Some display terminals can also generate double-wide and/or double-high characters.

Protect Format. The protect format allows users to enter data onto a screen template that resembles a commonly used printed form. While information can be entered into certain variable fields within the template, field identifiers and other standard elements are protected from alteration or erasure.

Windowing Capability
Number of Simultaneous Windows. For displays supporting both multisession and windowing capability, the vendor specifies the maximum number of windows here. Otherwise, a "not applicable" response is entered.

Window Customization Capability. In many windowing displays, the color, position, size, location, and other aspects of a window can be customized by the user.

Special Features
Many display terminals offer extras such as a setup menu, the ability to redefine the functions of keyboard keys, an alarm clock, a calendar, a notepad, and record/playback capability. Vendors enter such special features in this section.

Transmission Specifications

Physical Interfaces Supported. Asynchronous display terminals usually have an RS-232-C interface for connection to an external modem. Some also support interfaces such as RS-422, RS-423, twisted pair, and MIL-188 (military). IBM 3270-compatible displays generally connect directly to a communications controller via coaxial cable, while IBM midrange displays connect to a controller or host using twinaxial cable.

Transmission Technique. Data is transmitted either synchronously or asynchronously. In asynchronous transmission, characters propagate in irregular spurts; the duration of time between successive transmitted characters can vary. In synchronous transmission, characters travel in a steady stream, with a fixed time interval between successive characters.

Code. Two bit patterns for transmitted characters predominate: EBCDIC and ASCII. The latter has

been accepted as an industry and government standard and is now the most commonly used code by display terminals. EBCDIC is most commonly used with IBM equipment and its replacements.

Communications Protocols Supported. This entry refers to the type of line discipline (control code sequence and control characters) that the terminal uses. The four most commonly used protocols are ASCII, IBM's Systems Network Architecture (SNA), IBM's Binary Synchronous Communications (BSC) technique, and IBM's Synchronous Data Link Control (SDLC) line discipline. Other large system vendors, such as Bull and Digital, have produced their own communications protocols. Many display terminals also conform to the ANSI X3.64 standard for control codes; if ANSI-standard conformity exists, it will be indicated here.

Maximum Transmission Speed (bps). The CRT terminal is a high-speed device that is usually capable of transmitting and

receiving several thousand characters per second; however, it must run at a speed that is compatible with the communications system in which it is used. Most display terminals are used on voice grade facilities, which limit the transmission speed to a practical maximum of 4800 bits per second (bps) over the dial network and 9600 bps over leased or private lines.

Operational Modes.

There are two operating modes: half duplex (transmission in both directions, but not simultaneously) and full duplex (simultaneous transmission in both directions).

Pricing and Availability

Purchase Price (\$). Pricing is provided for single-unit quantities unless otherwise specified. Single entries generally indicate the price of the basic unit without options.

Warranty Duration. A warranty period can vary from three months to three years. While under warranty, a display terminal is repaired at minimal or no cost to the user, either at a vendor-specified service center

or at the users site. After the expiration of the warranty, the user is given the option to extend the maintenance arrangement for an annual or monthly fee.

Annual Maintenance (\$).

This entry records the cost of maintenance service during regular business hours (usually 9 a.m. to 5 p.m., Monday through Friday).

Serviced by. This entry specifies the party responsible for maintaining the display terminal. In some cases, the vendor provides total service; in others, a national service organization is responsible. Service is sometimes rendered under the combined efforts of both the vendor and an independent service organization.

Date of First Commercial Delivery.

This entry indicates when the first production model of each terminal was delivered (or is scheduled to be delivered) to a customer.

Comments

In this section, vendors describe significant or unusual features, capabilities, or applications that are not reflected in the standard entries.

Vendor	Apertus Technologies	Apertus Technologies	Applied Digital Data Systems	Applied Digital Data Systems
Product	1222 Display	2131 Color Display	1010	4000RST
Type of Display Terminal				
Functional Category	Multifunction: IBM 3270, ASCII, ANSI	Multifunction: IBM 3270, ASCII, ANSI	ASCII	ASCII/ANSI/PC terminal
Graphics Capability	No	No	No	No
Compatibility	Digital VT100, Esprit, IBM InfoWindow 3471/3472, IBM 3101, TeleVideo, Data General, Hewlett-Packard	Digital VT100, Digital VT200, IBM InfoWindow 3471/3472, IBM 3101, TeleVideo, IBM 3179	ADDS, Lear Siegler ADM3A	ADDS, Digital VT100, TeleVideo, Wyse, Hazeltine, Link PCterm, Kimtron, Digital VT52
Communicates with Host	Via Lee Data Series 300/400 (proprietary controller)	Via Apertus Series 300/400 (proprietary controllers)	Directly	Directly
Hardware Specifications				
Screen Size (inches diagonal)	15	14	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	IBM 3270	122-key layout	Data entry	IBM Enhanced PC, ASCII
No. of internat. keybd. versions	None	Not specified	5	10
No. of program. function key comb.	24	Not specified	12	16/32
Other Equipment Supported	Printer, light pen, bar code reader	Printer, light pen, bar code reader	Printer, light pen, bar code reader	Printer, light pen, bar code reader
Internal Memory (bytes)	512K; 2-5 screens of text	512K; 5 screens of text	Not specified	8K; 2 screens of text
Display Attributes				
Display Color(s)	Monochrome, amber, green	8 colors	Monochrome amb., grn., white	Monochrome, amb., grn., white
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	7 x 9	7 x 9	7 x 9	7 x 10
Pixel Resolution	Not specified	Not specified	9 x 13	Not specified
Refresh Rate (Hz)	60	60	60	70
Multisession Capability				
No. of Concurrent Sessions	4 sync/async	4 sync/async	Not supported	Not specified
Session-to-Session Copy Capability	Yes	Yes	Not applicable	2 No
Text Processing Features				
Screen Arrangements	24 x 80, 24 x 132, 27 x 132, 32 x 80, 43 x 80	24 x 80, 24 x 132, 27 x 132, 32 x 80, 43 x 80	24 x 80	24 x 80, 24 x 132, 43 x 80, 25x80/132, 42x80/132, 43x132
Split Screen Capability	Yes	Yes	No	Yes, Selectable
Operator Area	Status line	Status line	Status line	Status line, row/col. indicat.
Display Attributes	Blink, reverse, underline	Blink, reverse, underline	Blink, dim, blank, reverse, underline	Bold, blink, dim, blank, reverse, underline, double-wide/high char.
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	4	6	Not supported	2
Window Customization Capability	Size, position, title	Size, position, color, title	Not applicable	Size
Special Features				
	Auto screen blank, modifiable keyboard, notepad, Record/playback, zoom, corner windows, help screens	Auto screen blank, modifiable keyboard, notepad, record/playback, zoom, corner windows, help screens	Auto screen blank, setup menu	Auto screen blank, graphics symbols, setup menu, modifiable keybd, alarm clock, calculator, calendar, ASCII charg calendar, ASCII chart accessory, line drawing symbols
Transmission Specifications				
Physical Interfaces Supported	RJ-11 twisted pair, Coax type A	RJ-11 twisted pair, coax type A	RS-232-C, RS-422, Current loop	RS-232-C, RS-422, Current loop
Transmission Technique	Async or sync	Async or sync	Async	Async
Code	ASCII, EBCDIC	ASCII, EBCDIC	ASCII	ASCII
Communications Protocol(s) Supp'd.	ASCII, ANSI, IBM BSC, IBM SNA/SDLC	ASCII, ANSI, IBM BSC, IBM SNA/SDLC	ASCII	ASCII, ANSI, X3.64
Maximum Transmission Speed (bps)	Not specified	Not specified	19.2K	38.4K
Operational Modes	Full or half duplex, conversational, block	Full or half duplex	Full or half duplex, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)
Pricing and Availability				
Purchase Price (\$)	1,120	1,360	395	625
Warranty Duration	1 year	1, year	1 year	1 year
Annual Maintenance (\$)	120	130	60	See comments section
Serviced By	Apertus Technologies	Apertus Technologies	ADDS	ADDS
Date of First Commercial Delivery	1986	1985	01/87	11/89
Comments				3-year extension to warranty - \$50.00; made in U.S.A.; conforms to Swedish std. MRP-11 for VLF & ELF radiation

Vendor	Applied Digital Data Systems	Applied Digital Data Systems	Applied Digital Data Systems	Applied Digital Data Systems
Product	4200	4320	4320RST	ADDS 4000
Type of Display Terminal				
Functional Category	ANSI/PC terminal	ANSI	ANSI	ASCII/ANSI/PC terminal
Graphics Capability	No	No	No	No
Compatibility	Digital VT100, Digital VT200	Digital VT100, Digital VT200, Digital VT320, ADDS 3320, ADDS 3220, ADDS Viewpoint 122, Digital VT52	Digital VT100, Digital VT200, Digital VT320, ADDS 3320, ADDS 3220, ADDS Viewpoint 122, Digital VT52	ADDS, Digital VT100, TeleVideo, Wyse, Hazeltine, Link PCterm, Kimtron Digital VT52
Communicates with Host	Directly	Directly	Directly	Directly
Hardware Specifications				
Screen Size (inches diagonal)	14	14	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	IBM Enhanced PC	Digital VT200, Digital VT300, IBM Enhanced PC	Digital VT200, Digital VT300, IBM Enhanced PC	IBM Enhanced PC, ASCII
No. of internat. keybd. versions	None	30	30	10
No. of program. function key comb.	16/32	15/30	15/30	16/32
Other Equipment Supported	Printer	Printer, light pen, bar code reader	Printer, light pen, bar code reader	Printer, light pen, bar code reader
Internal Memory (bytes)	32K; 2 screens of text	8K; 1 screens of text	8K; 1 screens of text	8K; 2 screens of text
Display Attributes				
Display Color(s)	16/16 colors	Monochrome amb., grn., white	Monochrome amb., grn., white	Monochrome amb., grn., white
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not specified	Not applicable
Character Matrix (dots)	7 x 10	7 x 10	7 x 10	7 x 10
Pixel Resolution	Not specified	Not specified	Not specified	Not specified
Refresh Rate (Hz)	70	70	70	70
Multisession Capability				
No. of Concurrent Sessions	2	Not supported	Not supported	1
Session-to-Session Copy Capability	No	Not applicable	Not applicable	No
Text Processing Features				
Screen Arrangements	26 x 80, 26 x 132, 44 x 80, 44 x 132	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80, 24 x 132, 43 x 80, 25 x 80, 25 x 132, 42 x 80, 42 x 132, 43 x 132
Split Screen Capability	Yes, selectable	Yes, variable	Yes, variable	Yes, selectable
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	2	Not supported	Not supported	2
Window Customization Capability	Size	Not applicable	Not applicable	Size
Special Features	Graphics symbols, setup menu, alarm clock, calculator, calendar, ASCII chart desk accessory, DEC multinational character set, line graphics	Auto screen blank, graphics symbols, setup menu, calculator, calendar, programmable (soft) font	Auto screen blank, graphics symbols, setup menu, calculator, calendar, programmable (soft) font	Auto screen blank, graphics symbols, setup menu, modifiable keyboard, alarm clock, calculator, calendar ASCII chart accessory, line drawing symbols
Transmission Specifications				
Physical Interfaces Supported	RS-232-C	RS-232-C, Current loop	RS-232-C, Current loop	RS-232-C, RS-422, Current loop
Transmission Technique	Async	Async	Async	Async
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol(s) Supptd.	ANSI, X3.64	ANSI, X3.64	ANSI, X3.64	ASCII, ANSI, X3.64
Maximum Transmission Speed (bps)	38.4K	38.4K	38.4K	38.4K
Operational Modes	Full or half duplex, conversational, local, monitor (debug)	Full or half duplex, conversational, local, monitor (debug)	Full or half duplex, conversational, local, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)
Pricing and Availability				
Purchase Price (\$)	399	545	595	575
Warranty Duration	1 year	1 year	1 year	1 year
Annual Maintenance (\$)	Not specified	See comments below	See comments below	See comments section
Serviced By	ADDS	ADDS	ADDS	ADDS
Date of First Commercial Delivery	12/91	11/90	11/90	11/89
Comments	Compatible with any PC multisync color monitor	3-year extension to warranty - \$50.00; made in U.S.A.	3-year extension to warranty-\$50.00; made in U.S.A.; with radiation suppress. technol. conforming to Swedish safety standards	3-year extension to warranty- \$50.00; made in U.S.A.

Vendor	Cumulus Technology Corp.	Cumulus Technology Corp.	Data General Corp.	Data General Corp.
Product	CWT	HCT	Dasher D216	Dasher D412
Type of Display Terminal				
Functional Category	ASCII/ANSI/PC terminal	ASCII/ANSI	ASCII/ANSI	ASCII/ANSI
Graphics Capability	No	No	Yes	Yes
Compatibility	Digital VT100, HP 700/92, 700/94, 2392, 2394	Digital VT100, HP 700/92, 700/94, 2392, 2344	Digital VT100, Digital VT200	Digital VT100, Digital VT200
Communicates with Host	Directly, via a terminal server	Directly, via a terminal server (HP DTS)	Directly	Directly, via a terminal server
Hardware Specifications				
Screen Size (inches diagonal)	15	15	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	IBM Enhanced PC	HP 2392	Data General proprietary	Typewriter, Data General proprietary
No. of internat. keybd. versions	10	10	12	9
No. of program. function key comb.	12	8	19	19
Other Equipment Supported	Printer, mouse, bar code reader	Printer, bar code reader	Printer	Printer, bar code reader
Internal Memory (bytes)	1M; 8 screens of text	128K; 8 screens of text	Not specified	1 screen of text
Display Attributes				
Display Color(s)	Monochrome white	Monochrome white	Monochrome amber, green	Monochrome amb., grn., white
No. of Shades (for graphic term.)	Not specified	Not applicable	Not specified	Not specified
Character Matrix (dots)	13 x 16	13 x 16	10 x 16	10 x 12
Pixel Resolution	1056 x 384	1056 x 384	Not specified	Not specified
Refresh Rate (Hz)	75	75	60	72
Multisession Capability				
No. of Concurrent Sessions	8	Not supported	2	Not supported
Session-to-Session Copy Capability	Yes	Not applicable	Not specified	Not applicable
Text Processing Features				
Screen Arrangements	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80	24 x 80, 24 x 132
Split Screen Capability	Yes	No	No	No
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line	Status line
Display Attributes	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, reverse, underline	Bold, blink, dim, reverse, underline
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	Not specified	Not supported	Not supported	Not supported
Window Customization Capability	8	Not applicable	Not applicable	Not applicable
	Size, position, Window stacking order, pop-up	Not applicable	Not applicable	Not applicable
Special Features				
	Auto screen blank, graphics symbols, multi-lang. setup menu (standard), modifiable keyboard	Auto screen blank, graphics symbols, setup menu, multi-lang. setup menu standard, modifiable keyboard standard, alarm clock, calculator	Auto screen blank, setup menu	Auto screen blank, setup menu
Transmission Specifications				
Physical Interfaces Supported	RS-232-C, RS-422	RS-232-C, RS-422	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA
Transmission Technique	Async	Async	Async	Async
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol(s) Supptd.	ASCII, ANSI	ASCII, ANSI	ASCII, ANSI, X3.64	ASCII, ANSI
Maximum Transmission Speed (bps)	38.4K	38.4K	19.2K	19.2K
Operational Modes	Full duplex, conversational	Full or half duplex, conversational, block, local	Full duplex, conversational	Full duplex, conversational
Pricing and Availability				
Purchase Price (\$)	595	795	510	610
Warranty Duration	1 year	5 years	Not specified	Not specified
Annual Maintenance (\$)	84	84	60	68
Serviced By	Cumulus Technology	Cumulus Technology	Data General	Data General
Date of First Commercial Delivery	07/91	03/88	09/88	09/88
Comments	Windowing term. for UNIX environments; conforms to requirements set by Intern. Assoc. for Character Windowing Standard			

Vendor	Data General Corp.	Data General Corp.	Decision Data Computer Corp.	Decision Data Computer Corp.
Product	Dasher D462	Walkabout Portable Terminal	3596	3597
Type of Display Terminal				
Functional Category	ASCII/ANSI	Portable ANSI, with LCD display	IBM midrange (5250)	IBM midrange (5250)
Graphics Capability	Yes	No	No	No
Compatibility	Tektronix 4010 graphics	Digital VT200, Data General D216, Lear Siegler ADM-3A	IBM InfoWindow 3476/3477, IBM 319X, IBM 5291	IBM InfoWindow 3476/3477, IBM 319X, IBM 5291
Communicates with Host	Directly, via a terminal server	Directly, via a terminal server	Directly, via an IBM 5294/5394 control unit	Directly, via an IBM 5294/5394 control unit
Hardware Specifications				
Screen Size (inches diagonal)	14	9 inches by 4 inches	14	14
Display Pedestal	Tilt, swivel	None	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	Typewriter, Data General proprietary	Digital VT200	IBM Enhanced PC, typewriter	IBM Enhanced PC, typewriter
No. of internat. keybd. versions	9	None	25	25
No. of program. function key comb.	19	15	24	24
Other Equipment Supported	Printer, mouse, tablet	Printer	Printer, bar code reader, optical scanner	Printer, bar code reader, optical scanner
Internal Memory (bytes)	Not specified	16K	Not specified	Not specified
Display Attributes				
Display Color(s)	Monochrome amb., grn, white	Mono. green, Supertwist LCD	Monochrome amber, green	Monochrome amber, green
No. of Shades (for graphic term.)	Not specified	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	16 x 16	8 x 7	9 x 12	9 x 12
Pixel Resolution	Not specified	640 x 200	720 x 490	800 x 490
Refresh Rate (Hz)	72	Not applicable	72	72
Multisession Capability				
No. of Concurrent Sessions	Not specified	Not supported	2	3
Session-to-Session Copy Capability	No	Not applicable	Not specified	Yes
Text Processing Features				
Screen Arrangements	24 x 80, 24 x 132	25 x 80	24 x 80	24 x 80, 27 x 132
Split Screen Capability	Not specified	No	No	Yes
Operator Area	Status line	Status line	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Bold, blink, dim, reverse, underline	Not specified	Bold, blink, dim, reverse, underline	Bold, blink, dim, reverse, underline
Protect Format	Yes	No	Not specified	Not specified
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	2
Window Customization Capability	Not applicable	Not applicable	Not applicable	Position
Special Features				
	Auto screen blank, setup menu, modifiable keyboard, Math Symbols, Greek alphabet subset, line drawing set	Setup menu, alarm clock, notepad, Auto dialer	Auto screen blank, multi-lang. setup menu (standard), modifiable keyboard (standard)	Auto screen blank, multi-lang. setup menu (standard), modifiable keyboard (standard), calculator accessible from any active session
Transmission Specifications				
Physical Interfaces Supported	RS-232-C, RS-422, 20 mA	RS-232-D, twisted pair, acoustic coupler	Twinax, twisted pair	Twinax, twisted pair
Transmission Technique	Async	Async	Sync	Sync
Code	ASCII	ASCII	EBCDIC	EBCDIC
Communications Protocol(s) Supptd.	ASCII, ANSI	ASCII, ANSI, X3.64	IBM SNA/SDLC	IBM SNA/SDLC
Maximum Transmission Speed (bps)	19.8K	2400	1M	1M
Operational Modes	Full duplex, conversational	Full duplex, conversational	Half duplex	Half duplex
Pricing and Availability				
Purchase Price (\$)	1,060	610	1,095	1,295
Warranty Duration	Not specified	Not specified	3 years	1 year
Annual Maintenance (\$)	Not specified	Not specified	56	60
Serviced By	Data General	Data General	Decision Data	Decision Data
Date of First Commercial Delivery	09/88	Not specified	1/89	1/90
Comments		Built-in 1200 or 2400 bps modem; 3 emulation modes; optional Diconix portable inkjet printer.	Not specified	3812 printer emulation; HP LaserJet connectivity; printer driver cartridge

Vendor	Decision Data Computer Corp.	Digital Equipment Corp.	Digital Equipment Corp.	Digital Equipment Corp.
Product	3697	VT320	VT330	VT340
Type of Display Terminal				
Functional Category	IBM midrange (5250)	ANSI	ANSI	ANSI
Graphics Capability	No	No	Yes	Yes
Compatibility	IBM InfoWindow 3476/3477, IBM 319X, IBM 5292-1	Digital VT100, Digital VT200, VT52	Digital VT100, Digital VT200, Digital VT320, Digital VT330, VT52	Digital VT100, Digital VT200, Digital VT320, Digital VT330, Digital VT340
Communicates with Host	Directly, via an IBM 5294/5394 control unit	Directly, via an IBM 3X74 controller	Directly, via an IBM 3X74 controller	Directly, via an IBM 3X74 controller
Hardware Specifications				
Screen Size (inches diagonal)	14	14	14	13
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	IBM Enhanced PC, typewriter	Digital LK201	Data entry, Digital VT300, typewriter	Data entry, Digital VT300, typewriter
No. of internat. keybd. versions	25	19	26	26
No. of program. function key comb.	24	40	30	30
Other Equipment Supported	Printer, bar code reader, optical scanner	Printer, bar code reader	Printer, mouse, bar code reader	Printer, mouse, bar code reader
Internal Memory (bytes)	Not specified	1 screen of text	6 screens of text	6 screens of text
Display Attributes				
Display Color(s)	7 colors	Monochrome amb., grn., white	Monochrome, amb., grn., white	16 colors
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not specified	16 shades
Character Matrix (dots)	9 x 12	12 x 7	9 x 11	9 x 11
Pixel Resolution	800 x 600	1,200 x 300	800 x 500	800 x 500
Refresh Rate (Hz)	72	Not specified	60	60
Multisession Capability				
No. of Concurrent Sessions	3	Not supported	2	2
Session-to-Session Copy Capability	Yes	Not applicable	No	No
Text Processing Features				
Screen Arrangements	24 x 80, 27 x 132	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80, 24 x 132
Split Screen Capability	Yes, horizontal or vertical	Yes	Yes, adjustable	Yes, Adjustable
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Bold, blink, dim, reverse, underline	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, blank, reverse, underline, double-wide/high char.	Bold, blink, blank, reverse, underline, double-wide/high char.
Protect Format	Not specified	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	2	Not supported	2	2
Window Customization Capability	Position	Not applicable	Size, position, color, title	Size, position, color, title
Special Features				
	Auto screen blank, multi-lang. setup menu (standard), modifiable keyboard (standard), calculator accessible from any active session	Graphics symbols, multi-lang. setup menu (optional), modifiable keyboard, programmable (soft) font	Multi-lang. setup menu (standard), modifiable keyboard (standard), programmable (soft) font	Multi-lang. setup menu (standard), modifiable keyboard (standard), programmable (soft) font
Transmission Specifications				
Physical Interfaces Supported	Twinax, twisted pair	RS-232-C, twisted pair	RS-232-C, twisted pair	RS-232-C, RS-423
Transmission Technique	Sync	Async	Async	Async
Code	EBCDIC	ASCII	ASCII	ASCII
Communications Protocol(s) Supp'd.	IBM SNA/SDLC	ANSI, X3.64	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64
Maximum Transmission Speed (bps)	1M	19.2K	19.2K	19.2K
Operational Modes	Half duplex	Full duplex, conversational	Full duplex, conversational, block, local, monitor (debug)	Full duplex, conversational, block, local, monitor (debug)
Pricing and Availability				
Purchase Price (\$)	1,625	599	1,885	2,725
Warranty Duration	1 year	1 year	1 year	3 years
Annual Maintenance (\$)	80	Various plans	228	Various plans
Serviced By	Decision Data	Digital Equipment Corp.	Digital Equipment Corp.	Digital Equipment Corp.
Date of First Commercial Delivery	11/90	07/87	05/87	05/87
Comments	3812 printer emulation; HP LaserJet connectivity; printer driver cartridge			

Vendor	Digital Equipment Corp.	Esprit Systems, Inc.	Esprit Systems, Inc.	Esprit Systems, Inc.
Product	VT420	Esprit 400	Opus 2	Opus 3N1
Type of Display Terminal				
Functional Category	ANSI	ASCII/ANSI/PC terminal	ASCII/ANSI	ASCII/ANSI/PC terminal
Graphics Capability	No	Yes	No	No
Compatibility	Digital VT100, Digital VT200, Digital VT320	ADDS, Digital VT320, Esprit, TeleVideo, Wyse	ADDS, Esprit, TeleVideo, Wyse	ADDS, Digital VT200, Esprit, TeleVideo, Wyse
Communicates with Host	Directly, via an IBM 3X74 controller	Directly	Directly	Directly
Hardware Specifications				
Screen Size (inches diagonal)	14	14	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	Data entry, typewriter, Digital VT420 (LK401)	Data entry, Digital VT300, IBM Enhanced PC, Typewriter	Data entry	Data entry, Digital VT200, IBM Enhanced PC
No. of internat. keybd. versions	26	16	8	15
No. of program. function key comb.	30	108	108	108
Other Equipment Supported	Printer, bar code reader	Printer	Printer	Printer
Internal Memory (bytes)	12K; 6 screens of text	24K; 2-8 screens of text	16K; 2-4 screens of text	24K; 2-4 screens of text
Display Attributes				
Display Color(s)	Monochrome amb., grn., white	Monochrome amber, green	Monochrome amber, green	Monochrome amber, green
No. of Shades (for graphic term.)	Not specified	Not specified	Not applicable	Not specified
Character Matrix (dots)	8 x 10	15 x 16	9 x 13	9 x 13
Pixel Resolution	800 x 414	1,188 x 468	1,188 x 338	1,188 x 338
Refresh Rate (Hz)	70	78, 60	60	60
Multisession Capability				
No. of Concurrent Sessions	2	2	Not supported	2
Session-to-Session Copy Capability	Yes	No	Not applicable	No
Text Processing Features				
Screen Arrangements	24 x 80, 24 x 132, 36 x 80/132, 48 x 80/132	24 x 80, 24 x 132, 43 x 80, 52 x 80/132, 43 x 132	24 x 80, 24 x 132	24 x 80, 24 x 132
Split Screen Capability	Yes	Yes	Yes, horizontal	Yes, horizontal
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Bold, blink, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline	Bold, blink, dim, blank, reverse, underline	Bold, blink, dim, blank, reverse, underline, double-wide/high char.
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	2	2	Not supported	Not supported
Window Customization Capability	Size, position, title	Size, position, title	Not applicable	Not applicable
Special Features	Multi-lang. setup menu (std.), modifiable keyboard (std.), programmable (soft) font, Local macro storage and execution	Auto screen blank, graphics symbols, setup menu, modifiable keyboard, alarm clock, calculator, calendar, programmable (soft) font, auto dialer	Auto screen blank, graphics symbols, setup menu, modifiable keyboard (standard), calculator, programmable (soft) font	Auto screen blank, graphics symbols, setup menu, modifiable keyboard, alarm clock, calculator, calendar, programmable (soft) font, auto dialer
Transmission Specifications				
Physical Interfaces Supported	RS-232-C, RS-423	RS-232-C	RS-232-C	RS-232-C, RS-422
Transmission Technique	Async	Async or sync	Async	Async
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol(s) Supptd.	ASCII, ANSI, X3.64	ASCII, ANSI	ASCII	ASCII, ANSI
Maximum Transmission Speed (bps)	38.4K	38.4K	38.4K	38.4K
Operational Modes	Full duplex, conversational, local, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)
Pricing and Availability				
Purchase Price (\$)	629	599	499	599
Warranty Duration	3 years	1 year	1 year	1 year
Annual Maintenance (\$)	Various plans	Not specified	Not specified	Not specified
Serviced By	Digital Equipment Corp.	Esprit Systems	Esprit Systems	Esprit Systems
Date of First Commercial Delivery	06/90	Not specified	Not specified	Not specified
Comments		Esprit Express is a 1 year 24 hour replacement service.	Esprit Express is a 1 year 24 hour replacement service.	Esprit Express is a 1 year 24 hour replacement service.

Vendor	Falco Data Products, Inc.	Harris Adacom Corp.	Harris Adacom Corp.	Harris Adacom Corp.
Product	Infinity	H471-C	H471-E	H472-D
Type of Display Terminal				
Functional Category	ASCII/ANSI/PC terminal	IBM 3270	IBM 3270	IBM 3270
Graphics Capability	Yes	No	No	No
Compatibility	ADDS, Digital VT100, Digital VT200, Digital VT320, Esprit, IBM 3101, TeleVideo, Wyse, Digital VT420	IBM InfoWindow 3471/3472	IBM InfoWindow 3471/3472	IBM InfoWindow 3471/3472
Communicates with Host	Directly	Via an IBM 3X74, Harris Adacom HX 74, or IDEA controller	Via an IBM 3X74, Harris Adacom HX 74, or IDEA controller	Via an IBM 3X74, Harris Adacom HX 74, or IDEA controller
Hardware Specifications				
Screen Size (inches diagonal)	14	14	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	Digital VT200, Digital VT300, IBM Enhanced PC, ASCII	Data entry, typewriter	Data entry, typewriter	Data entry, typewriter
No. of internat. keybd. versions	3	8	8	8
No. of program. function key comb.	116	24	24	24
Other Equipment Supported	Printer, mouse	Printer, light pen, bar code reader	Printer, light pen, bar code reader	Printer, light pen, bar code reader
Internal Memory (bytes)	15 screens of text	Not specified	Not specified	Not specified
Display Attributes				
Display Color(s)	Monochrome amb., grn., white	7 colors	Monochrome amber, green	Monochrome amber, green
No. of Shades (for graphic term.)	Not specified	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	Not specified	10 x 8	10 x 8	10 x 8
Pixel Resolution	1,220 x 400	Not specified	Not specified	Not specified
Refresh Rate (Hz)	70	72	72	72
Multisession Capability				
No. of Concurrent Sessions	6	Not supported	Not supported	Not supported
Session-to-Session Copy Capability	Yes	Not applicable	Not applicable	Not applicable
Text Processing Features				
Screen Arrangements	24 x 80, 24 x 132, 27 x 132, 32 x 80, 43 x 80, 50 x 80/132	24 x 80, 32 x 80	24 x 80, 32 x 80	24 x 80, 27 x 132, 32 x 80, 43 x 80
Split Screen Capability	Yes, 6 sep. horiz. splits	No	No	No
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline	Bold, blink, dim, blank, reverse, underline	Bold, blink, dim, blank, reverse, underline
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	6	Not supported	Not supported	Not supported
Window Customization Capability	Size, position, title, host connection, emulation	Not applicable	Not applicable	Not applicable
Special Features	Auto screen blank, graphics symbols, setup menu, modifiable keyboard, alarm clock, calculator, calendar, notepad, programmable (soft) font	Auto screen blank, multi-lang. setup menu (standard), modifiable keyboard (standard), alarm clock	Auto screen blank, multi-lang. setup menu (standard), modifiable keyboard (standard), alarm clock	Auto screen blank, multi-lang. setup menu (standard), modifiable keyboard (standard), alarm clock
Transmission Specifications				
Physical Interfaces Supported	RS-232-C, RS-423	Coax Type A	Coax Type A	Coax Type A
Transmission Technique	Async	Async or sync	Async or sync	Async or sync
Code	ASCII	EBCDIC	EBCDIC	EBCDIC
Communications Protocol(s) Supptd.	ASCII, ANSI, X3.64	IBM BSC, IBM SNA/SDLC	IBM BSC, IBM SNA/SDLC	IBM BSC, IBM SNA/SDLC
Maximum Transmission Speed (bps)	38.4K	Not specified	Not specified	Not specified
Operational Modes	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, block	Full or half duplex, block	Full or half duplex, block
Pricing and Availability				
Purchase Price (\$)	545	1,495	995	1,295
Warranty Duration	1 year	1 year	1 year	1-3 years
Annual Maintenance (\$)	Not specified	80	65	65
Serviced By	Falco Data Products	Harris Adacom	Harris Adacom	Harris Adacom
Date of First Commercial Delivery	July 1989	05/90	04/90	04/90
Comments	True multi-host, multi-tasking terminal, independant setup per window			

Vendor	Harris Adacom Corp.	Hewlett-Packard Co.	Hewlett-Packard Co.	Hewlett-Packard Co.
Product	H472-F	HP 700/32	HP 700/43	HP 700/44
Type of Display Terminal				
Functional Category	IBM 3270	ANSI	ASCII	ANSI/PC terminal
Graphics Capability	No	No	No	No
Compatibility	IBM InfoWindow 3471/3472	Digital VT200, Digital VT320, Digital VT52	ADDS, TeleVideo, Wyse, Lear Siegler, Hazeltine, Qume	Digital VT100, Digital VT200, Digital VT52, IBM-compat. PC
Communicates with Host	Via an IBM 3X74, Harris Adacom HX 74, or IDEA controller	Directly	Directly	Directly, via a terminal server
Hardware Specifications				
Screen Size (inches diagonal)	14	14	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	Data entry, typewriter	Digital VT300	106-key layout	105-key IBM AT-compatible keyboard
No. of internat. keybd. versions	8	None	None	None
No. of program. function key comb.	24	60	32	30 for VT mode
Other Equipment Supported	Printer, light pen, bar code reader	Printer	Printer	Printer
Internal Memory (bytes)	Not specified	4 screens of text	114; 4 screens of text	4 screens of text
Display Attributes				
Display Color(s)	7 colors	Monochrome, amb., grn., white	Monochrome amb., grn., white	Monochrome amb., grn., white
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	10 x 8	14 x 13	7 x 11	7 x 11
Pixel Resolution	Not specified	Not specified	Not specified	Not specified
Refresh Rate (Hz)	72	72	72, 60, or 50	72, 60, or 50
Multisession Capability				
No. of Concurrent Sessions	Not supported	Not supported	Not supported	Not supported
Session-to-Session Copy Capability	Not applicable	Not applicable	Not applicable	Not applicable
Text Processing Features				
Screen Arrangements	24 x 80, 27 x 132, 32 x 80, 43 x 80	27 x 80/132, 44 x 80/132, 55x 80/132	24 x 80, 24 x 132	24 x 80, 24 x 132
Split Screen Capability	No	No	Yes	No
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line	Status line
Display Attributes	Bold, blink, dim, blank, reverse, underline	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Blink, dim, blank, reverse, underline	Bold, blink, blank, reverse, underline, double-wide/high char.
Protect Format	Yes	No	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features				
	Auto screen blank, multi-lang. setup menu (standard), modifiable keyboard (standard), alarm clock	Auto screen blank, setup menu, downloadable character set	Auto screen blank, setup menu	Auto screen blank, setup menu, modifiable keyboard, national language layouts (optional), IBM PC char. set
Transmission Specifications				
Physical Interfaces Supported	Coax Type A	RS-232-C, DEC423	RS-232-C	RS-232-C, 20m current loop
Transmission Technique	Async or sync	Async	Async	Async
Code	EBCDIC	ASCII	ASCII	ASCII
Communications Protocol(s) Supptd.	IBM BSC, IBM SNA/SDLC	X3.64	ASCII	ASCII, ANSI, X3.64
Maximum Transmission Speed (bps)	Not specified	38.4K	38.4K	38.4K
Operational Modes	Full or half duplex, block	Full duplex, conversational	Full or half duplex, conversational, block	Full duplex, conversational
Pricing and Availability				
Purchase Price (\$)	1,620-1,750	749	575	649
Warranty Duration	1-3 years	1 year	1 year	1 year
Annual Maintenance (\$)	80	36-84 per agreement	36-84 per agreement	36-84 per agreement
Serviced By	Harris Adacom	Hewlett-Packard	Hewlett-Packard	Hewlett-Packard
Date of First Commercial Delivery	06/90	Not specified	Not specified	Not specified
Comments				

Vendor	Hewlett-Packard Co.	Hewlett-Packard Co.	Human Designed Systems, Inc.	Human Designed Systems, Inc.
Product	HP 700/92	HP 700/94	HDS3200 Model 10	HDS3200 Model 25
Type of Display Terminal Functional Category	ANSI	ANSI	ASCII/ANSI	ASCII/ANSI
Graphics Capability Compatibility	Not specified Digital VT100, Digital VT200, Digital VT52	No Digital VT100, Digital VT200, Digital VT52	Yes Digital VT100, Digital VT200, Digital VT320, Tektronix 4010/4014	Yes Digital VT100, Digital VT200, Digital VT320, Tektronix 4010/4014 graphics
Communicates with Host	Directly	Directly	Directly, via a terminal server	Directly, via a terminal server
Hardware Specifications				
Screen Size (inches diagonal)	14	14	15	15
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	109-key IBM PC-Style	109-key HP layout	Digital VT200	Digital VT200
No. of internat. keybd. versions	17	17	15	15
No. of program. function key comb.	16	16	126	126
Other Equipment Supported	Printer	Printer	Printer, mouse, light pen	Printer, mouse, light pen
Internal Memory (bytes)	8 screens of text	16 screens of text	4-8 screens of text	4-8 screens of text
Display Attributes				
Display Color(s)	Mon. amb., grn., wht., B on W	Monochrome amb., grn., white	Monochrome, amb., grn., white	Monochrome amb., grn., white
No. of Shades (for graphic term.)	Not applicable	Not specified	Not specified	Not specified
Character Matrix (dots)	7 x 11	7 x 11	9 x 16	9 x 16
Pixel Resolution	Not specified	Not specified	1,056 x 400	1,056 x 800
Refresh Rate (Hz)	72, 60, or 50	72, 60, or 50	60	75
Multisession Capability				
No. of Concurrent Sessions	Not supported	Not specified	6	6
Session-to-Session Copy Capability	Not applicable	No	Yes	Yes
Text Processing Features				
Screen Arrangements	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80, 24 x 132, 50 x 80, 50 x 132	24 x 80, 24 x 132, 50 x 80, 50 x 132
Split Screen Capability	No	Not specified	Yes	Yes
Operator Area	Status line	Not specified	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Bold, blink, blank, reverse, underline	Bold, blink, dim, blank, reverse, underline	Bold, blink, dim, blank, reverse, underline, double-wide/high char. Yes	Bold, blink, dim, blank, reverse, underline, double-wide/high char. Yes
Protect Format	Yes	Not specified	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not specified	6	6
Window Customization Capability	Not applicable	Not specified	Size, position	Size, position
Special Features	Auto screen blank, setup menu, modifiable keyboard, downloadable 94-char. set	Auto screen blank, setup menu, forms cache, local edit checks, modified data tag transmission	Auto screen blank, graphics symbols, setup menu, calculator, programmable (soft) font	Auto screen blank, graphics symbols, setup menu, calculator, programmable (soft) font
Transmission Specifications				
Physical Interfaces Supported	RS-232-C	RS-232-C	RS-232-C, RS-423	RS-232-C, RS-423
Transmission Technique	Async	Not specified	Async	Async
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol(s) Supptd.	ANSI, X3.64	ANSI, X3.64	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64
Maximum Transmission Speed (bps)	38.4K	38.4K	38.4K	38.4K
Operational Modes	Full duplex, conversational, block	Not specified	Full or half duplex, conversational, local, monitor (debug)	Full or half duplex, conversational, local, monitor (debug)
Pricing and Availability				
Purchase Price (\$)	895	1,195	799	1,099
Warranty Duration	1 year	1 year	1 year	1 year
Annual Maintenance (\$)	36-84 per agreement	36-84 per agreement	Not specified	Not specified
Serviced By	Hewlett-Packard	Hewlett-Packard	HDS or third party	HDS or third party
Date of First Commercial Delivery	Not specified	Not specified	Not specified	Not specified
Comments				

Vendor	Human Designed Systems, Inc.	Human Designed Systems, Inc.	IDEAssociates Inc.	IDEAssociates Inc.
Product	HDS3200 Model 35	HDS3200 Model 5C	TRM 276A	TRM 276G
Type of Display Terminal				
Functional Category	ASCII/ANSI	ASCII/ANSI	IBM midrange (5250)	IBM midrange (5250)
Graphics Capability	Yes	Yes	No	No
Compatibility	Digital VT100, Digital VT200, Digital VT320, Tektronix 4010/4014	Digital VT100, Digital VT200, Digital VT320	IBM InfoWindow 3476/3477	IBM InfoWindow 3476/3477
Communicates with Host	Directly, via a terminal server	Directly, via a terminal server	Directly	Directly
Hardware Specifications				
Screen Size (inches diagonal)	15	14	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	Digital VT200	Digital VT200	102-, 103-, or 122-key layout	102-, 103-, or 122-key layout
No. of internat. keybd. versions	15	15	18	18
No. of program. function key comb.	126	126	1500	1500
Other Equipment Supported	Printer, mouse, light pen	Printer, mouse, light pen	Printer, bar code reader, optical scanner, RS-232-C serial input device	Printer, bar code reader, optical scanner, RS-232-C serial input device
Internal Memory (bytes)	256K; 4-8 screens of text	4-8 screens of text	Not specified	Not specified
Display Attributes				
Display Color(s)	Monochrome, amb., grn., white	32 colors	Monochrome amber	Monochrome green
No. of Shades (for graphic term.)	Not specified	Not specified	Not specified	Not applicable
Character Matrix (dots)	9 x 16	9 x 16	10 x 8	10 x 8
Pixel Resolution	1,056 x 800	640 x 480	Not specified	Not specified
Refresh Rate (Hz)	75	60	70	70
Multisession Capability				
No. of Concurrent Sessions	6	6	2	2
Session-to-Session Copy Capability	Yes	Yes	No	No
Text Processing Features				
Screen Arrangements	24 x 80, 24 x 132, 50 x 80, 50 x 132	24 x 80, 24 x 132	26 x 80, 29 x 132	26 x 80, 29 x 132
Split Screen Capability	Yes	Yes	Yes, adjustable	Yes, adjustable
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Not specified	Not specified
Display Attributes	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, reverse, underline, double-wide/high char.	Bold, blink, dim, reverse, underline, double-wide/high char.
Protect Format	Yes	Yes	Not specified	Not specified
Windowing Capability				
No. of Simultaneous Windows	6	6	Not supported	Not applicable
Window Customization Capability	Size, position	Size, position, color	Not applicable	Not applicable
Special Features	Auto screen blank, graphics symbols, setup menu, calculator, programmable (soft) font	Auto screen blank, graphics symbols, setup menu, calculator, programmable (soft) font	Auto screen blank, graphics symbols, setup menu, multi-lang. setup menu	Auto screen blank, graphics symbols, setup menu, multi-lang. setup menu
Transmission Specifications				
Physical Interfaces Supported	RS-232-C, RS-423	RS-232-C, RS-423	Twinax, twisted pair	Twinax, twisted pair
Transmission Technique	Async	Async	Sync	Sync
Code	ASCII	ASCII	EBCDIC	EBCDIC
Communications Protocol(s) Supptd.	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64	IBM SNA/SDLC	IBM SNA/SDLC
Maximum Transmission Speed (bps)	38.4K	38.4K	Not specified	Not specified
Operational Modes	Full or half duplex, conversational, local, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, block	Full or half duplex, block
Pricing and Availability				
Purchase Price (\$)	1,499	1,699	1,045	1,045
Warranty Duration	1 year	1 year	3 years	Not specified
Annual Maintenance (\$)	Not specified	Not specified	100	100
Serviced By	HDS or third party	HDS or third party	IDEA Servcom	IDEA Servcom
Date of First Commercial Delivery	Not specified	Not specified	03/90	03/90
Comments				

Vendor	IDEAssociates Inc.	IDEAssociates Inc.	IDEAssociates Inc.	IDEAssociates Inc.
Product	TRM 277A	TRM 277C	TRM 277G	TRM 277P/A
Type of Display Terminal				
Functional Category	IBM midrange (5250)	IBM midrange (5250)	IBM midrange (5250)	IBM midrange (5250)
Graphics Capability	No	No	Not specified	No
Compatibility	IBM InfoWindow 3476/3477	IBM InfoWindow 3476/3477	IBM InfoWindow 3471/3472, IBM InfoWindow 3476/3477	IBM InfoWindow 3476/3477
Communicates with Host	Directly	Directly	Directly	Directly
Hardware Specifications				
Screen Size (inches diagonal)	14	15	14	15
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	102-, 103-, or 122-key layout	102- or 122-key layout	102-, 103-, or 122-key layout	102-, 103-, or 122-key layout
No. of internat. keybd. versions	18	18	18	18
No. of program. function key comb.	1500	1500	1500	1500
Other Equipment Supported	Printer, bar code reader, optical scanner, RS-232-C serial input device	Printer, bar code reader, optical scanner, RS-232-C serial input device	Printer, bar code reader, optical scanner, RS-232-C serial input device	Printer, bar code reader, optical scanner, RS-232-C serial input device
Internal Memory (bytes)	Not specified	Not specified	Not specified	Not specified
Display Attributes				
Display Color(s)	Amber	Color	Monochrome green	Monochrome amber
No. of Shades (for graphic term.)	Not applicable	Not specified	Not applicable	Not applicable
Character Matrix (dots)	10 x 9	10 x 9	10 x 8	10 x 14
Pixel Resolution	Not specified	Not specified	Not specified	Not specified
Refresh Rate (Hz)	72	72	Not specified	72
Multisession Capability				
No. of Concurrent Sessions	2	4	2	4
Session-to-Session Copy Capability	No	No	No	No
Text Processing Features				
Screen Arrangements	26 x 80, 29 x 132	26 x 80, 29 x 132	26 x 80, 29 x 132	26 x 80, 29 x 132
Split Screen Capability	Yes, adjustable	Yes, adjustable	Yes, adjustable	Yes, adjustable
Operator Area	Not specified	Not specified	Not specified	Not specified
Display Attributes	Bold, blink, dim, reverse, underline, double-wide/high char.	Bold, blink, dim, reverse, underline, double-wide/high char.	Bold, blink, dim, reverse, underline, double-wide/high char.	Bold, blink, dim, reverse, underline, double-wide/high char.
Protect Format	Not specified	Not specified	Not specified	Not specified
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features				
	Auto screen blank, graphics symbols, setup menu, multi-lang. setup menu, record/play/pause	Auto screen blank, graphics symbols, setup menu, multi-lang. setup menu, Record/play/pause	Auto screen blank, graphics symbols, setup menu, multi-lang. setup menu	Auto screen blank, graphics symbols, setup menu, multi-lang. setup menu, record/play/pause
Transmission Specifications				
Physical Interfaces Supported	Twinax, twisted pair	Twinax, twisted pair	Twinax, twisted pair	Twinax, twisted pair
Transmission Technique	Sync	Sync	Sync	Sync
Code	EBCDIC	EBCDIC	EBCDIC	EBCDIC
Communications Protocol(s) Supptd.	IBM SNA/SDLC	IBM SNA/SDLC	IBM SNA/SDLC	IBM SNA/SDLC
Maximum Transmission Speed (bps)	Not specified	Not specified	Not specified	Not specified
Operational Modes	Full or half duplex, block	Full or half duplex	Full or half duplex	Full or half duplex, Block
Pricing and Availability				
Purchase Price (\$)	1,245	1,645	1,245	1,445
Warranty Duration	3 years	3 years	3 years	3 years
Annual Maintenance (\$)	100	100	100	100
Serviced By	IDEA Servcom	IDEA Servcom	IDEA Servcom	IDEA Servcom
Date of First Commercial Delivery	03/90	03/90	03/90	Not specified
Comments				
	Modular design allows swapping of logic boards in the field.	Modular design allows upgrade and expansion in the field.		Modular design allows upgrade and expansion in the field

Vendor	IDEAssociates Inc.	IDEAssociates Inc.	IDEAssociates Inc.	IDEA Courier, Inc.
Product	TRM 277P/G	TRM 277P/W	TRM 277W	IDEA 12000 Series Model 471
Type of Display Terminal				
Functional Category	IBM midrange (5250)	IBM midrange (5250)	IBM midrange (5250)	IBM 3270/ASCII/ANSI
Graphics Capability	No	No	No	No
Compatibility	IBM InfoWindow 3476/3477	IBM InfoWindow 3476/3477	IBM InfoWindow 3476/3477	IBM InfoWindow 3471/3472
Communicates with Host	Directly	Directly	Directly	Via an IBM 3X74 controller, or IDEA Concert Controller (proprietary)
Hardware Specifications				
Screen Size (inches diagonal)	15	15	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	102-, 103-, or 122-key layout	102- or 122-key layout	102- or 122-key layout	Data entry, typewriter, APL, 104-key, 122-key layouts
No. of internat. keybd. versions	18	18	18	13
No. of program. function key comb.	1500	1500	1500	24
Other Equipment Supported	Printer, bar code reader, optical scanner, RS-232-C serial input device	Printer, bar code reader, optical scanner, RS-232-C serial input device	Printer, bar code reader, optical scanner, RS-232-C serial input device	Printer, light pen, productivity cartridge
Internal Memory (bytes)	Not specified	Not specified	Not specified	1 screen of text
Display Attributes				
Display Color(s)	Green	White	White	Mono. amb., amb. gold, green
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	10 x 9	10 x 14	10 x 8	12 x 16
Pixel Resolution	Not specified	Not specified	Not specified	Not specified
Refresh Rate (Hz)	72	70	70	72
Multisession Capability				
No. of Concurrent Sessions	4	4	2	5
Session-to-Session Copy Capability	No	No	No	Yes
Text Processing Features				
Screen Arrangements	26 x 80, 29 x 132	26 x 80, 29 x 132	26 x 80, 29 x 132	24 x 80
Split Screen Capability	Yes, adjustable	Yes, adjustable	Yes, adjustable	No
Operator Area	Not specified	Not specified	Not specified	Status line, row/col. indicat.
Display Attributes	Bold, blink, dim, reverse, underline, double-wide/high char.	Bold, blink, dim, reverse, underline, double-wide/high char.	Bold, blink, dim, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.
Protect Format	Not specified	Not specified	Not specified	No
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features	Auto screen blank, graphics symbols, setup menu, multi-lang. setup menu, record/play/pause	Auto screen blank, graphics symbols, setup menu, multi-lang. setup menu, record/play/pause	Graphics symbols, setup menu, record/play/pause	Multi-lang. setup menu, calculator, record/play/pause, reveal mode, vital product data
Transmission Specifications				
Physical Interfaces Supported	Twinax, twisted pair	Twinax, twisted pair	Twinax, twisted pair	Coax Type A
Transmission Technique	Sync	Sync	Sync	Async or sync
Code	EBCDIC	EBCDIC	EBCDIC	ASCII, EBCDIC
Communications Protocol(s) Supptd.	IBM SNA/SDLC	ASCII, IBM SNA/SDLC	ASCII, IBM SNA/SDLC	ASCII, ANSI, IBM BSC, IBM SNA/SDLC
Maximum Transmission Speed (bps)	Not specified	Not specified	Not specified	Not specified
Operational Modes	Full or half duplex, Block	Full or half duplex, Block	Full or half duplex, Block	Full or half duplex, conversational, block
Pricing and Availability				
Purchase Price (\$)	1,445	1,445	1,245	1,045
Warranty Duration	3 years	3 years	3 years	3 years
Annual Maintenance (\$)	100	100	Not specified	63
Serviced By	IDEA Servcom	IDEA Servcom	IDEA Servcom	IDEA Servcom
Date of First Commercial Delivery	03/90	Not specified	03/90	03/90
Comments		Complies with the strictest safety guidelines for VDT emissions	Complies with the strictest VDT emission and ergonomics regulatory standards	

Vendor	IDEA Courier, Inc.	IDEA Courier, Inc.	IDEA Courier, Inc.	International Business Machines Corp. (IBM.)
Product	IDEA 12000 Series Model 472	IDEA 12000 Series Model 572	IDEA 12000 Series Model 572 C	3151 ASCII Display Station Model 110
Type of Display Terminal	IBM 3270/ASCII/ANSI	IBM 3270/ASCII/ANSI	IBM 3270/ASCII/ANSI	ASCII
Functional Category				
Graphics Capability	No	No	No	No
Compatibility	IBM InfoWindow 3471/3472	IBM InfoWindow 3471/3472	IBM InfoWindow 3471/3472	ADDS, Digital VT200, IBM 3101, TeleVideo, Wyse, Lear Siegler, Hazeltine, IBM 316X
Communicates with Host	Via an IBM 3X74 controller, IDEA Concert Controller (proprietary)	Via an IBM 3X74 controller, IDEA Concert Controller (proprietary)	Via an IBM 3X74 controller, IDEA Concert Controller (proprietary)	Directly, via an IBM 3X74 controller, via an IBM 5294/5394 control unit
Hardware Specifications				
Screen Size (inches diagonal)	14	15	15	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	Data entry, typewriter, APL, 104-key, 122-key layouts	Data entry, typewriter, APL, 104-key, 122-key layouts	Data entry, typewriter, APL, 104-key, 122-key layouts	Typewriter
No. of internat. keybd. versions	13	13	13	7
No. of program. function key comb.	24	24	24	36
Other Equipment Supported	Printer, light pen, Productivity cartridge	Printer, light pen, Productivity cartridge	Printer, light pen, Productivity cartridge	Printer, mouse
Internal Memory (bytes)	1 screen of text	1 screen of text	1 screen of text	1 screen of text
Display Attributes				
Display Color(s)	Mono. amb., amb. gold., green	Mono. amb., amb. gold., green	7 colors	Monochrome green
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	12 x 16	12 x 16	12 x 16	9 x 15
Pixel Resolution	Not specified	Not specified	Not specified	Not specified
Refresh Rate (Hz)	72	72	72	Not specified
Multisession Capability				
No. of Concurrent Sessions	5	5	5	2
Session-to-Session Copy Capability	Yes	Yes	Yes	No
Text Processing Features				
Screen Arrangements	24 x 80, 27 x 132, 32 x 80, 43 x 80	24 x 80, 27 x 132, 32 x 80, 43 x 80	24 x 80, 27 x 132, 32 x 80, 43 x 80	24 x 80, 24 x 132
Split Screen Capability	No	No	No	Yes
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Not specified	Bold, blink, reverse, underline, double-wide/high char.
Protect Format	No	No	No	Yes
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features				
	Multi-lang. setup menu, calculator, record/play/pause, reveal made, vital product data	Multi-lang. setup menu, calculator, record/play/pause, reveal mode, vital product data	Multi-lang. setup menu, calculator, record/play/pause, reveal mode, vital product data	Setup menu, modifiable keyboard, Digital VT220 & Wyse ASCII emulation cartridges
Transmission Specifications				
Physical Interfaces Supported	Coax Type A	Coax Type A	Coax Type A	RS-232-C, RS-422
Transmission Technique	Async or sync	Async or sync	Async or sync	Async
Code	ASCII, EBCDIC	ASCII, EBCDIC	ASCII, EBCDIC	ASCII
Communications Protocol(s) Supp'd.	ASCII, ANSI, IBM BSC, IBM SNA/SDLC	ASCII, ANSI, IBM BSC, IBM SNA/SDLC	ASCII, ANSI, IBM BSC, IBM SNA/SDLC	ASCII, ANSI, X3.64
Maximum Transmission Speed (bps)	Not specified	Not specified	Not specified	38.4K
Operational Modes	Full or half duplex, conversational, block	Full or half duplex, conversational, block	Full or half duplex, conversational, block	Full or half duplex, conversational, block
Pricing and Availability				
Purchase Price (\$)	1,295	1,445	1,595	480-705
Warranty Duration	3 years	3 years	3 years	1-3 years
Annual Maintenance (\$)	63	63	63	27
Serviced By	IDEA Servcom	IDEA Servcom	IDEA Servcom	IBM
Date of First Commercial Delivery	03/90	03/90	03/90	06/87
Comments				

Vendor	International Business Machines Corp. (IBM.)	International Business Machines Corp. (IBM.)	International Business Machines Corp. (IBM)	International Business Machines Corp. (IBM)
Product	3193	3194	InfoWindow 3471 Monochrome Models EA, EG, BA, BG	InfoWindow 3472 Color Color FC
Type of Display Terminal				
Functional Category	IBM 3270	IBM 3270	IBM 3270	IBM 3270
Graphics Capability	Yes	No	No	No
Compatibility	IBM InfoWindow 3471/3472; IBM 3278 Models 2, 3, and 4; and IBM 3178	Digital VT100, IBM 3277 Model 1	IBM 3178 & 3191	IBM 3178 & 3191
Communicates with Host	Via an IBM 3X74 controller	Via an IBM 3X74 controller	Via an IBM 3X74 controller	Via an IBM 3X74 controller
Hardware Specifications				
Screen Size (inches diagonal)	15	14	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel, height-adjust.
Keyboard:				
US keyboard styles supported	Data entry, typewriter	Data entry, typewriter	Data entry, IBM Enhanced PC, typewriter	Data entry, IBM Enhanced PC, typewriter
No. of internat. keybd. versions	Custom layouts	Custom layouts	Suppt. for 21 foreign lang.	Suppt. for 21 foreign lang.
No. of program. function key comb.	Not specified	24	24	24
Other Equipment Supported	Printer, optical scanner	Printer, light pen	Printer, bar code reader	Printer, light pen, bar code reader
Internal Memory (bytes)	Not specified	1 screen of text	1 screen of text	1 screen of text
Display Attributes				
Display Color(s)	Monochrome white	7 colors	Monochrome amber, green	7 colors
No. of Shades (for graphic term.)	Not specified	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	Not specified	Not specified	9 x 16	Not specified
Pixel Resolution	240 x 120	1,188 x 725	720 x 402	1,188 x 508
Refresh Rate (Hz)	Not specified	Not specified	Not specified	Not specified
Multisession Capability				
No. of Concurrent Sessions	2	4 host and 2 notepad sessions	5	5
Session-to-Session Copy Capability	No	Yes	No	No
Text Processing Features				
Screen Arrangements	24 x 80, 32 x 80, 43 x 80, 48x80	24 x 80	24 x 80	24 x 80, 27 x 132, 32 x 80, 43 x 80
Split Screen Capability	Yes	Yes	No	No
Operator Area	None	Status line, row/col. indicat.	Status line	Status line, row/col. indicat.
Display Attributes	Bold, blink, reverse, underline	Blink, blank, reverse, underline	Bold, blink, reverse, underline	Bold, blink, reverse, underline
Protect Format	Yes	Not specified	No	No
Windowing Capability				
No. of Simultaneous Windows	8	6	Not applicable	Not applicable
Window Customization Capability	Size, position	Size, position	Not applicable	Not applicable
Special Features	Auto screen blank, setup menu, modifiable keyboard, record/play/pause	Setup menu, modifiable keyboard, notepad	Auto screen blank, setup menu, modifiable keyboard, record/play/pause, vital product data	Auto screen blank, setup menu, record/play/pause, vital product data
Transmission Specifications				
Physical Interfaces Supported	Coax Type A, twisted pair	Coax Type A, twisted pair	Coax Type A, twisted pair	Coax type A, twisted pair
Transmission Technique	Sync	Async or sync	Async or sync	Sync
Code	EBCDIC	ASCII, EBCDIC	Not specified	EBCDIC
Communications Protocol(s) Supptd.	IBM BSC, IBM SNA/SDLC	ASCII, ANSI, X3.64, IBM BSC, IBM SNA/SDLC	IBM BSC, IBM SNA/SDLC, X.25	IBM BSC, IBM SNA/SDLC
Maximum Transmission Speed (bps)	38.4K	38.4K	64K	64K
Operational Modes	Full or half duplex, block	Full or half duplex, conversational, block	Full or half duplex, block	Full or half duplex, block
Pricing and Availability				
Purchase Price (\$)	3,630	2,570-3,615	1,060-1,175	1,870
Warranty Duration	1 year	3 years	1-3 years	1-3 years
Annual Maintenance (\$)	68-103	150	78	78
Serviced By	IBM	IBM	IBM	IBM
Date of First Commercial Delivery	09/86	09/87	06/89	06/89
Comments			Models BA and BG provide front-of-screen dot width adjustment; adjusting the horizontal spacing between dots improves brightness	

Vendor	International Business Machines Corp. (IBM.)	International Business Machines Corp. (IBM.)	International Business Machines Corp. (IBM.)	International Business Machines Corp. (IBM.)
Product	InfoWindow 3472 Monochrome Models FA, FD, FG	InfoWindow 3476 Monochrome Models EA, EG, BA, BG	InfoWindow 3477 Color Model FC	InfoWindow 3477 Monochrome Models FA, FD, FG
Type of Display Terminal Functional Category	IBM 3270	IBM midrange (5250)	IBM 3270	IBM midrange (5250)
Graphics Capability Compatibility	No IBM 3178 & 3191	No IBM 3179 Model 2, IBM 3196	No IBM 3179 Model 2 and 3197	Not specified IBM 3179 Model 2 and 3197
Communicates with Host	Via an IBM 3X74 controller	Directly, via an IBM 5294/5394 control unit	Directly, via an IBM 5294/5394 control unit	Directly, via an IBM 5294/5394 control unit
Hardware Specifications				
Screen Size (inches diagonal)	14, 15	14	14	14, 15
Display Pedestal	Tilt, swivel, height-adjust.	Tilt, swivel	Tilt, swivel, height-adjust.	Tilt, swivel, height-adjust.
Keyboard:				
US keyboard styles supported	Data entry, IBM Enhanced PC, typewriter	Data entry, IBM Enhanced PC, typewriter	IBM Enhanced PC, typewriter	IBM Enhanced PC, typewriter
No. of internat. keybd. versions	Suppt. for 21 foreign lang.	21 foreign languages	Suppt. for 21 foreign lang.	Support for 21 foreign lang.
No. of program. function key comb.	24	24	24	24
Other Equipment Supported	Printer, light pen, bar code reader	Printer, bar code reader	Printer, light pen, bar code reader	Printer, light pen, bar code reader
Internal Memory (bytes)	1 screen of text	1 screen of text	1 screen of text	1 screen of text
Display Attributes				
Display Color(s)	Monochrome amber, green	Amber, green	7 colors	Monochrome amber, green
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not specified	Not applicable
Character Matrix (dots)	Not specified	Not specified	Not specified	Not specified
Pixel Resolution	1,200 x 532	720 x 402	1,188 x 508	1,188 x 508
Refresh Rate (Hz)	Not specified	Not specified	Not specified	Not specified
Multisession Capability				
No. of Concurrent Sessions	5	5	5	5
Session-to-Session Copy Capability	No	No	No	No
Text Processing Features				
Screen Arrangements	24 x 80, 27 x 132, 32 x 80, 43 x 80	24 x 80	24 x 80, 27 x 132	24 x 80, 27 x 132
Split Screen Capability	No	No	Yes, 24/18 x 80	Yes, 24/18 x 80
Operator Area	Status line	Status line	Status line	Status line
Display Attributes	Bold, blink, reverse, underline	Bold, blink, reverse, underline	Bold, blink, reverse, underline	Bold, blink, reverse, underline
Protect Format	No	No	No	No
Windowing Capability				
No. of Simultaneous Windows	Not applicable	Not supported	Not applicable	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features				
	Auto screen blank, setup menu, modifiable keyboard, record/play/pause, vital product data	Auto screen blank, setup menu, modifiable keyboard, record/play/pause	Auto screen blank, setup menu, modifiable keyboard, notepad, record/play/pause, vital product data	Auto screen blank, setup menu, record/play/pause, vital product data
Transmission Specifications				
Physical Interfaces Supported	Coax Type A, twisted pair	Twisted pair, twinax	Twisted pair, twinax	Twisted pair, twinax
Transmission Technique Code	Sync EBCDIC	Sync EBCDIC	Sync EBCDIC	Sync EBCDIC
Communications Protocol(s) Supptd.	IBM BSC, IBM SNA/SDLC, X.25	IBM SNA/SDLC, X.25	IBM SNA/SDLC, X.25	IBM SNA/SDLC, X.25
Maximum Transmission Speed (bps)	64K	64K	64K	64K
Operational Modes	Full or half duplex, block	Full or half duplex, block	Full or half duplex, block	Full or half duplex, block
Pricing and Availability				
Purchase Price (\$)	1,495-1,710	1,060-1,175	1,730-1,870	1,380-1,710
Warranty Duration	1-3 years	1-3 years	1-3 years	1-3 years
Annual Maintenance (\$)	78	78	96	78-96
Served By	IBM	IBM	IBM	IBM
Date of First Commercial Delivery	06/89	06/89	06/89	06/89
Comments				
		Models BA and BG provide front-of-screen dot width adjustment; adjusting the horizontal spacing between dots improves brightness		

Vendor	International Business Machines Corp. (IBM.)	Lee Data (a division of IIS, Inc.)	Lee Data (a division of IIS, Inc.)	Lee Data (a division of IIS, Inc.)
Product	InfoWindow Graphics-5 3472 Model GC	IS-372 Displaywindow (color version)	IS-372 Displaywindow (monochrome version)	IS-376 Displaywindow
Type of Display Terminal	IBM 3270	IBM 3270	IBM 3270	IBM midrange (5250)
Functional Category	IBM 3270	IBM 3270	IBM 3270	IBM midrange (5250)
Graphics Capability	Yes	No	No	No
Compatibility	IBM 3192-G	Digital VT320, IBM InfoWindow 3471/3472	Digital VT320, IBM InfoWindow 3471/3472	IBM InfoWindow 3476/3477
Communicates with Host	Via an IBM 3X74 controller	Directly, via an IBM 5294/5394 control unit	Directly, via an IBM 5294/5394 control unit,	Via an IBM 5294/5394 control unit
Hardware Specifications				
Screen Size (inches diagonal)	14	14	14	14
Display Pedestal	Tilt, swivel, height-adjust.	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	IBM Enhanced PC, typewriter	Data entry, typewriter	Data entry, typewriter	Data entry, typewriter
No. of internat. keybd. versions	Support for 21 foreign lang.	None	None	None
No. of program. function key comb.	24	24	24	24
Other Equipment Supported	Printer, mouse, tablet	Printer, light pen, bar code reader, laser gun, magnetic stripe reader	Printer, light pen, bar code reader, laser gun, magnetic stripe reader	Printer, bar code reader, laser gun, magnetic stripe reader
Internal Memory (bytes)	Not specified	Not specified	Not specified	Not specified
Display Attributes				
Display Color(s)	7 colors	7 colors	Monochrome amb., grn., white	Monochrome amb., grn., white
No. of Shades (for graphic term.)	Not specified	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	Not specified	Not specified	Not specified	10 x 16
Pixel Resolution	1,188 x 508	Not specified	Not specified	Not specified
Refresh Rate (Hz)	Not specified	60/50	60/50	60/50
Multisession Capability				
No. of Concurrent Sessions	5 text, 1 graphics	2	2	Not supported
Session-to-Session Copy Capability	Yes	No	No	Not applicable
Text Processing Features				
Screen Arrangements	24 x 80, 27 x 132, 32 x 80, 43 x 80	24 x 80, 27 x 132, 32 x 80, 43 x 80	24 x 80, 27 x 132, 32 x 80, 43 x 80	24 x 80, 27 x 132
Split Screen Capability	No	No	No	No
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Not specified	Bold, blink, dim, reverse	bold, dim, reverse	Bold, blink, dim, blank, reverse, underline
Protect Format	Not specified	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	6	Not supported	Not supported	Not supported
Window Customization Capability	Size, position	Not applicable	Not applicable	Not applicable
Special Features	Auto screen blank, setup menu, modifiable keyboard, notepad, help screens, record/play/pause	Auto screen blank, multi-lang. setup menu (standard) alarm clock, calculator, calendar, notepad	Auto screen blank, multi-lang. setup menu (standard) alarm clock, calculator, calendar, notepad	Auto screen blank, multi-lang. setup menu (standard)
Transmission Specifications				
Physical Interfaces Supported	Coax Type A, twisted pair	Coax Type A	Coax Type A, RS-232-C	Twinax
Transmission Technique	Sync	Sync	Async or sync	Sync
Code	EBCDIC	ASCII, EBCDIC	ASCII, EBCDIC	EBCDIC
Communications Protocol(s) Supptd.	IBM BSC, IBM SNA/SDLC, X.25	ASCII, ANSI, IBM BSC, IBM SNA/SDLC	ASCII, ANSI, IBM BSC, IBM SNA/SDLC	IBM SNA/SDLC
Maximum Transmission Speed (bps)	64K	Not specified	Not specified	Not specified
Operational Modes	Full or half duplex, block	Full or half duplex, conversational, block	Full or half duplex, conversational, block	Full or half duplex, block
Pricing and Availability				
Purchase Price (\$)	2,555-2,715	1,296	1,197	1,175
Warranty Duration	1-3 years	3 years	3 years	3 years
Annual Maintenance (\$)	108	96	78	78
Serviced By	IBM	Lee Data	Lee Data	Lee Data
Date of First Commercial Delivery	11/89	09/90	09/90	12/90
Comments				

Vendor	Lee Data (a division of IIS, Inc.)	Lee Data (a division of IIS, Inc.)	LXE Inc.	LXE Inc.
Product	IS-377 Displaywindow (color version)	IS-377 Displaywindow (monochrome version)	1120	1140
Type of Display Terminal	IBM midrange (5250)	IBM midrange (5250)	IBM 3270, IBM midrange, or ANSI	Multifunction: IBM 3270/5250
Functional Category				ASCII, ANSI
Graphics Capability	No	No	No	No
Compatibility	IBM InfoWindow 3476/3477, IBM 5256, 5224, 5225	IBM InfoWindow 3476/3477, IBM 5256, 5224, 5225	Digital VT100, Digital VT200, IBM 319X	Digital VT100, Digital VT200, IBM 319X
Communicates with Host	Via an IBM 5294/5394 control unit	Via an IBM 5294/5394 control unit	LXE 228 NC or LXE 280 NC (proprietary controllers)	LXE 228 NC or LXE 280 NC (proprietary controllers)
Hardware Specifications				
Screen Size (inches diagonal)	14	14	Not specified	Not specified
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt	Tilt
Keyboard:				
US keyboard styles supported	Data entry, typewriter	Data entry, typewriter	QWERTY and ABCD	QWERTY and ABCD
No. of internat. keybd. versions	None	None	None	None
No. of program. function key comb.	24	24	24	24
Other Equipment Supported	Printer, bar code reader	Printer, bar code reader	Printer, bar code reader, RS-232-C-compatible peripherals	Printer, bar code reader, RS-232-C-compatible peripherals
Internal Memory (bytes)	Not specified	Not specified	384K; 1 screen of text	384K; 1 screen of text
Display Attributes				
Display Color(s)	7 colors	Monochrome amb., grn., white	Monochrome blue (LCD)	Monochrome blue (LCD)
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	15 x 16	15 x 16	Not specified	Not specified
Pixel Resolution	Not specified	Not specified	Not specified	Not specified
Refresh Rate (Hz)	60/50	60/50	Not applicable	Not applicable
Multisession Capability				
No. of Concurrent Sessions	2	2	Not supported	Not supported
Session-to-Session Copy Capability	Yes	Yes	Not applicable	Not applicable
Text Processing Features				
Screen Arrangements	24 x 80, 27 x 132	24 x 80, 24 x 132, 27 x 132	2 x 40	4 x 40
Split Screen Capability	Yes, 17/12x80, 14/13/80	Yes, 17/12 x 80, 14/13 x 80	No	No
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line	Status line
Display Attributes	Bold, blink, dim, blank, reverse, underline	Bold, blink, dim, blank, reverse, underline	Blink, underline	Blink, underline
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	Not specified	Not specified	Not supported	Not supported
Window Customization Capability	2	2	Not applicable	Not applicable
Special Features	Auto screen blank, multi-lang. setup menu (standard), alarm clock, calculator, calendar, notepad	Auto screen blank, multi-lang. setup menu (standard), alarm clock, calculator, calendar, notepad	Setup menu	Setup menu
Transmission Specifications				
Physical Interfaces Supported	Twinax	Twinax	Terminals are RF-linked	Terminals are RF-linked
Transmission Technique	Sync	Not specified	Async or sync	Async or sync
Code	EBCDIC	EBCDIC	ASCII, EBCDIC	ASCII, EBCDIC
Communications Protocol(s) Supp'd.	IBM SNA/SDLC	IBM SNA/SDLC	X3.64, IBM SNA/SDLC	X3.64, IBM SNA/SDLC
Maximum Transmission Speed (bps)	Not specified	Not specified	9600	9600
Operational Modes	Full or half duplex, block	Full or half duplex, block	Full or half duplex, block, local	Full or half duplex, block, local
Pricing and Availability				
Purchase Price (\$)	1,895	1,495	Not specified	Not specified
Warranty Duration	3 years	3 years	Not specified	Not specified
Annual Maintenance (\$)	96	78	Not specified	Not specified
Serviced By	Lee Data	Lee Data	Not specified	Not specified
Date of First Commercial Delivery	12/90	12/90	Not specified	Not specified
Comments			Vehicle-mounted terminal; Supertwist LCD display; RF-linked; IBM 3278, IBM 3196, or VT emulation	Vehicle-mounted terminal; Supertwist LCD display; RF-linked; IBM 3278, IBM 3196, or VT emulation

Vendor	LXE Inc.	LXE Inc.	LXE Inc.	LXE Inc.
Product	1180	1190	2120	2140
Type of Display Terminal				
Functional Category	IBM 3270, IBM midrange, or ANSI	IBM 3270, IBM 5250, or ANSI	IBM 3270, IBM midrange or ANSI	IBM 3270, IBM midrange, or ANSI
Graphics Capability	No	No	No	No
Compatibility	Digital VT100, Digital VT200, IBM 319X	Digital VT100, Digital VT200, IBM 319X	Digital VT100, Digital VT200, IBM 319X	Digital VT100, Digital VT200, IBM 319X
Communicates with Host	LXE 228 NC or LXE 280 NC (proprietary controllers)	LXE 228 NC or LEX 280 NC (proprietary controllers)	LXE 228 NC or LXE 280 NC (proprietary controllers)	LXE 228 NC or LXE 280 NC (proprietary controllers)
Hardware Specifications				
Screen Size (inches diagonal)	Not specified	Not specified	Not specified	Not specified
Display Pedestal	Tilt	Tilt	None	None
Keyboard:				
US keyboard styles supported	QWERTY and ABCD	QWERTY and ABCD	QWERTY and ABCD	QWERTY and ABCD
No. of internat. keybd. versions	None	None	None	None
No. of program. function key comb.	24	24	24	24
Other Equipment Supported	Printer, bar code reader, RS-232-C-compatible peripherals	Printer, bar code reader, RS-232-C-compatible peripherals	Printer, bar code reader, RS-232-C-compatible peripherals	Printer, bar code reader, any other RS-232-C-compatible peripheral
Internal Memory (bytes)	384K; 1 screen of text	384K; 1 screen of text	384K; 1 screen of text	384K; 1 screen of text
Display Attributes				
Display Color(s)	Blue (LCD)	Monochrome, Blue (LCD)	Monochrome, Blue (LCD)	Monochrome Blue (LCD)
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	Not specified	Not specified	Not specified	Not specified
Pixel Resolution	Not specified	Not specified	Not specified	Not specified
Refresh Rate (Hz)	Not applicable	Not applicable	Not applicable	Not applicable
Multisession Capability				
No. of Concurrent Sessions	Not supported	Not supported	Not supported	Not supported
Session-to-Session Copy Capability	Not applicable	Not applicable	Not applicable	Not applicable
Text Processing Features				
Screen Arrangements	6 x 40, 8 x 40	12x40, 25x40	2x40	4x40
Split Screen Capability	No	No	No	No
Operator Area	Status line	Status line	Status line	Status line
Display Attributes	Blink, underline	Blink, underline	Blink, underline	Blink, underline
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features	Setup menu	Setup menu	Setup menu	Setup menu
Transmission Specifications				
Physical Interfaces Supported	Terminals are RF-linked	Terminals are RF-linked	Terminals are RF-linked	Terminals are RF-linked
Transmission Technique	Async or sync	Async or sync	Async or sync	Async or sync
Code	ASCII, EBCDIC	ASCII, EBCDIC	ASCII, EBCDIC	ASCII, EBCDIC
Communications Protocol(s) Supptd.	X3.64, IBM SNA/SDLC	IBM SNA/SDLC	ASCII, ANSI, X3.64, IBM SNA/SDLC	X3.64, IBM SNA/SDLC
Maximum Transmission Speed (bps)	9600	9600	9600	9600
Operational Modes	Full or half duplex, block, local	Full or half duplex, block, local	Full or half duplex, block, local	Full or half duplex, block, local
Pricing and Availability				
Purchase Price (\$)	Not specified	Not specified	Not specified	Not specified
Warranty Duration	Not specified	Not specified	Not specified	Not specified
Annual Maintenance (\$)	Not specified	Not specified	Not specified	Not specified
Serviced By	Not specified	Not specified	Not specified	Not specified
Date of First Commercial Delivery	Not specified	Not specified	Not specified	Not specified
Comments	Vehicle-mounted terminal; Supertwist LCD display; RF-linked; IBM 2378, IBM 3196, or VT emulation.	Vehicle-mounted terminal; Supertwist LCD display; RF-linked; IBM 3278, IBM 3196, or VT emulation	Hand-held display; RF-linked; supports IBM 3278, IBM 3196, or VT emulation.	Hand-held terminal; Supertwist LCD display; RF-linked; IBM 3278, IBM 3196, or VT emulation

Vendor	LXE Inc.	LXE Inc.	LXE Inc.	LXE Inc.
Product	2280	2285	2285 ALR	2285 LR
Type of Display Terminal Functional Category	IBM 3270, IBM midrange, or ANSI	IBM 3270, IBM midrange, or ANSI	IBM 3270, IBM midrange, or ANSI	IBM 3270, IBM midrange, or ANSI
Graphics Capability Compatibility	No Digital VT100, Digital VT200, IBM 319X	No Digital VT100, Digital VT200, IBM 319X	No Digital VT100, Digital VT200, IBM 319X	No Digital VT100, Digital VT200, IBM 319X
Communicates with Host	LXE 228 NC or LXE 280 NC (proprietary controllers)	LXE 228 NC or LXE 280 NC (proprietary controllers)	LXE 228 NC or LXE 280 NC (proprietary controllers)	LXE 228 NC or LXE 280 NC (proprietary controllers)
Hardware Specifications				
Screen Size (inches diagonal)	Not specified	Not specified	Not specified	Not specified
Display Pedestal	None	None	None	None
Keyboard:				
US keyboard styles supported	QWERTY and ABCD	QWERTY and ABCD	QWERTY and ABCD	QWERTY and ABCD
No. of internat. keybd. versions	None	None	None	None
No. of program. function key comb.	24	24	24	24
Other Equipment Supported	Printer, bar code reader, RS-232-C-compatible peripherals	Printer, bar code reader, RS-232-C-compatible peripherals	Printer, bar code reader, Auto. Long Range LXE Module	Printer, bar code reader, Long Range LXE Module
Internal Memory (bytes)	768K; 1 screen of text	768K; 1 screen of text	768K; 1 screen of text	768K; 1 screen of text
Display Attributes				
Display Color(s)	Monochrome Blue (LCD)	Monochrome Blue (LCD)	Monochrome Blue (LCD)	Monochrome Blue (LCD)
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	Not specified	Not specified	Not specified	Not specified
Pixel Resolution	Not specified	Not specified	Not specified	Not specified
Refresh Rate (Hz)	Not applicable	Not applicable	Not applicable	Not applicable
Multisession Capability				
No. of Concurrent Sessions	Not supported	Not supported	Not supported	Not supported
Session-to-Session Copy Capability	Not applicable	Not applicable	Not applicable	Not applicable
Text Processing Features				
Screen Arrangements	8x40	8x20	8x20	8x20
Split Screen Capability	No	No	No	No
Operator Area	Status line	Status line	Status line	Status line
Display Attributes	Blink, underline	Blink, underline	Blink, underline	Blink, underline
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features	Setup menu	Setup menu	Setup menu	Setup menu
Transmission Specifications				
Physical Interfaces Supported	Terminals are RF-linked	Terminals are RF-linked	Terminals are RF-linked	Terminals are RF-linked
Transmission Technique	Async or sync	Async or sync	Async or sync	Async or sync
Code	ASCII, EBCDIC	ASCII, EBCDIC	ASCII, EBCDIC	ASCII, EBCDIC
Communications Protocol(s) Supptd.	X3.64, IBM SNA/SDLC	X3.64, IBM SNA/SDLC	X3.64, IBM SNA/SDLC	X3.64, IBM SNA/SDLC
Maximum Transmission Speed (bps)	9600	9600	9600	9600
Operational Modes	Full or half duplex, block, local	Full or half duplex, block, local	Full or half duplex, block, local	Full or half duplex, block, local
Pricing and Availability				
Purchase Price (\$)	Not specified	Not specified	Not specified	Not specified
Warranty Duration	Not specified	Not specified	Not specified	Not specified
Annual Maintenance (\$)	Not specified	Not specified	Not specified	Not specified
Serviced By	Not specified	Not specified	Not specified	Not specified
Date of First Commercial Delivery	Not specified	Not specified	Not specified	Not specified
Comments	Hand-held terminal; Supertwist LCD display; RF-linked; IBM 3278, IBM 3196, or VT emulation	Hand-held terminal; Supertwist LCD display; RF-linked; IBM 3278, IBM 3196, or VT emulation	Hand-held terminal; Supertwist LCD display; RF-linked; IBM 3278, IBM 3196, or VT emulation	Hand-held terminal; Supertwist LCD display; RF-linked; IBM 3278, IBM 3196, or VT emulation

Vendor	LXE Inc.	LXE Inc.	MAI Systems Corp.	Memorex Telex Corp.
Product	2285 SR	5240	DT-4315	1471 A/G/W Display Station
Type of Display Terminal				
Functional Category	IBM 3270, IBM midrange, or ANSI	IBM 3270, IBM midrange, or ANSI	ANSI	IBM 3270
Graphics Capability	No	No	No	No
Compatibility	Digital VT100, Digital VT200, IBM 319X	Digital VT100, Digital VT200, IBM 319X	Digital VT100, MAI DT-4313 and DT-4314	IBM InfoWindow 3471/3472
Communicates with Host	LXE 228 NC or LXE 280 NC (proprietary controllers)	LXE 228 NC or LXE 280 NC (proprietary controller)	Directly, via MAI Terminal Server, or via Advanced Series (proprietary controller)	Via an IBM 3X74 or Memorex Telex 1174 Network Controller (IBM plug-compatible)
Hardware Specifications				
Screen Size (inches diagonal)	Not specified	Not specified	14	14
Display Pedestal	None	None	Tilt, swivel, height-adjust.	Tilt, swivel
Keyboard:				
US keyboard styles supported	QWERTY and ABCD	QWERTY and ABCD	Enhanced PC with special keys	88, 102, 104, or 122-key layout
No. of internat. keybd. versions	None	None	12	None
No. of program. function key comb.	24	24	167	24
Other Equipment Supported	Printer, bar code reader, RS-232-C-compatible peripherals	Printer, bar code reader, RS-232-C-compatible peripherals	Printer	Printer, light pen, bar code reader, magnetic stripe card reader
Internal Memory (bytes)	768K; 1 screen of text	38.4K; 1 screen of text	128K; 2 screens of text	Not specified
Display Attributes				
Display Color(s)	Blue (LCD)	Blue (LCD)	Monochrome white	Mono. amb., grn., blk. on wht
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not specified	Not applicable
Character Matrix (dots)	Not specified	Not specified	9 x 14	9 x 20
Pixel Resolution	Not specified	Not specified	1188 x 360	Not specified
Refresh Rate (Hz)	Not applicable	Not applicable	70	72
Multisession Capability				
No. of Concurrent Sessions	Not supported	Not supported	2	5
Session-to-Session Copy Capability	Not applicable	Not applicable	No	No
Text Processing Features				
Screen Arrangements	8x20	4x40	24 x 80, 24 x 132, 25 x 80, 25 x 132, 30 x 80, 30 x 132, 36 x 132	24 x 80
Split Screen Capability	No	No	No	Not specified
Operator Area	Status line	Status line	Status line, row/col. indicat.	Status line
Display Attributes	Blink, underline	Blink, underline	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Not specified
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	64	Not supported
Window Customization Capability	Not applicable	Not applicable	Size, position	Not applicable
Special Features	Setup menu	Setup menu	Auto screen blank, graphics symbols, setup menu, alarm clock, calculator, calendar, flat screen, user-replaceable personality module	Auto screen blank, setup menu, rule cursor, vital product data
Transmission Specifications				
Physical Interfaces Supported	Terminals are RF-linked	Terminals are RF-linked	RS-232-C, RJ-45 (twisted pair)	Coax Type A
Transmission Technique	Async or sync	Async or sync	Async	Sync
Code	ASCII, EBCDIC	ASCII, EBCDIC	ASCII	EBCDIC
Communications Protocol(s) Supp'd.	X3.64, IBM SNA/SDLC	X3.64, IBM SNA/SDLC	ANSI	IBM BSC, IBM SNA/SDLC
Maximum Transmission Speed (bps)	9600	9600	38.4K	Not specified
Operational Modes	Full or half duplex, block, local	Full or half duplex, block, local	Full or half duplex, conversational	Full or half duplex, block
Pricing and Availability				
Purchase Price (\$)	Not specified	Not specified	750	1,060
Warranty Duration	Not specified	Not specified	1 year	1-3 years
Annual Maintenance (\$)	Not specified	Not specified	96	60-78
Serviced By	Not specified	Not specified	MAI	Memorex Telex
Date of First Commercial Delivery	Not specified	Not specified	2/91	April 1990
Comments	Hand-held terminal; Supertwist LCD display; RF-linked; IBM 3278, IBM 3196, or VT emulation	Desktop terminal; Supertwist LCD display; RF-linked; IBM 3278, IBM 3196, or VT emulation		A coax active indicator enables rapid verification of host connection

Vendor	Memorex Telex Corp.	Memorex Telex Corp.	Memorex Telex Corp.	NCR Corp.
Product	1472 A/G Display Station	1472 C Display Station	1472 D/E/W Display Station	2900
Type of Display Terminal Functional Category	IBM 3270	IBM 3270	IBM 3270	ASCII/ANSI/PC terminal
Graphics Capability Compatibility	Not specified IBM InfoWindow 3471/3472	No IBM InfoWindow 3471/3472	No IBM InfoWindow 3471/3472	No ADDS, Digital VT100, TeleVideo, Wyse, Hazeltine, Link PCterm, Kimtron, Digital VT52, ADDS 4000
Communicates with Host	Via an IBM 3X74 or Memorex Telex 1174 Network Controller (IBM plug-compat.)	Via an IBM 3X74 controller or a Memorex Telex 1174 Network Controller (IBM plug-compat.)	Via an IBM 3X74 controller, or Memorex Telex 1174 Network Controller (IBM plug-compat.)	Directly
Hardware Specifications				
Screen Size (inches diagonal)	14	14	15	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	Data entry, typewriter, APL	Data entry, typewriter, APL	Data entry, typewriter, APL	IBM Enhanced PC, ASCII
No. of internat. keybd. versions	Not specified	Not specified	Not specified	10
No. of program. function key comb.	24	24	24	32
Other Equipment Supported	Printer, light pen, bar code reader	Printer, light pen, bar code reader, magnetic stripe card reader	Printer, light pen, bar code reader, magnetic stripe card reader	Printer, bar code reader
Internal Memory (bytes)	Not specified	Not specified	Not specified	8K; 2 screens of text
Display Attributes				
Display Color(s)	Monochrome amber, green	7 colors	Monochrome amber, green	Monochrome amb., grn., white
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	Not specified	Not specified	Not specified	7 x 10
Pixel Resolution	Not specified	Character matrix	Not specified	Not specified
Refresh Rate (Hz)	72	Not specified	80	70
Multisession Capability				
No. of Concurrent Sessions	5	5	5	2
Session-to-Session Copy Capability	No	Not specified	No	No
Text Processing Features				
Screen Arrangements	24 x 80, 27 x 132, 32 x 80, 43 x 80	24 x 80, 27 x 132, 32 x 80, 43 x 80	24 x 80, 27 x 132, 32 x 80, 43 x 80	24 x 80, 24 x 132, 43 x 80, 25 x 80, 25 x 132, 42 x 80, 42 x 132, 43 x 132
Split Screen Capability	No	No	No	Yes, selectable
Operator Area	Status line	Status line	Status line	Status line, row/col. indicat.
Display Attributes	Not specified	Bold, blink, reverse, underline	Not specified	Bold, blink, dim, blank, reverse, underline, double-wide/high char.
Protect Format	Yes	Yes	No	Yes
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not specified
Window Customization Capability	Not applicable	Not applicable	Not applicable	2 Size
Special Features				
	Multi-lang. setup menu (standard), calculator, rule cursor, vital product data, record/play/pause	Setup menu, calculator, rule cursor, record/play/pause	Auto screen blank, setup menu, calculator, rule cursor, vital product data, record/play/pause	Auto screen blank, graphics symbols, setup menu, modifiable keyboard, alarm clock, calculator, calendar, ASCII chart accessory, line drawing
Transmission Specifications				
Physical Interfaces Supported	Coax Type A	Coax Type A	Coax Type A	RS-232-C, RS-422, 20 mA current loop
Transmission Technique Code	Sync EBCDIC	Sync EBCDIC	Sync EBCDIC	Async ASCII
Communications Protocol(s) Supptd.	IBM BSC, IBM SNA/SDLC	IBM BSC, IBM SNA/SDLC	IBM BSC, IBM SNA/SDLC	ASCII, ANSI, X3.64
Maximum Transmission Speed (bps)	Not specified	Not specified	Not specified	38.4K
Operational Modes	Full or half duplex, block	Full or half duplex, block	Full or half duplex, block	Full or half duplex, conversational, block, local, monitor (debug)
Pricing and Availability				
Purchase Price (\$)	1,330	1,665-1,800	1,535-1645	615
Warranty Duration	1-3 years	1-3 years	1-3 years	1 year
Annual Maintenance (\$)	60-78	68-96	60	See coments section
Serviced By	Memorex Telex	Memorex Telex	Memorex Telex	NCR
Date of First Commercial Delivery	April 1990	April 1990	April 1990	11/89
Comments				
	A coax line active indicator enables rapid verification of host connection	A coax line active indicator enables rapid verification of host connection		Optional 3 year extention to warranty (for a total of 4 years) available for \$50.00; made in U.S.A.

Vendor	NCR Corp.	NCR Corp.	Qume Corp.	Qume Corp.
Product	2920	2970	QVT 191	QVT 31
Type of Display Terminal				
Functional Category	NCR proprietary	ANSI	ASCII/ANSI/PC terminal	ASCII/ANSI
Graphics Capability Compatibility	No NCR 4920, 7930, 7900MI & 7900MI+; NCR 7901, 7901+, 7930	No Digital VT100, Digital VT200, Digital VT320, ADDS 3320, ADDS 3220, ADDS Viewpoint 122, Digital VT52	No ADDS, Digital VT100, Digital VT200, Esprit, TeleVideo, Wyse PCterm	No ADDS, Esprit, TeleVideo, Wyse, Qume 101
Communicates with Host	Directly	Directly	Directly	Directly
Hardware Specifications				
Screen Size (inches diagonal)	14	14	9	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard: US keyboard styles supported	ASCII	Digital VT200, Digital VT300, IBM Enhanced PC	IBM Enhanced PC, typewriter	Data entry, typewriter
No. of internat. keybd. versions	10	30	12	12
No. of program. function key comb.	12 or 24	30	56	56
Other Equipment Supported	Printer	Printer, light pen, bar code reader	Printer	Printer
Internal Memory (bytes)	8K; 2 screens of text	8K; 1 screen of text	7 screens of text	4 screens of text
Display Attributes				
Display Color(s)	Monochrome, amb., grn., white	Monochrome amb., grn., white	Monochrome amb., grn., white	Monochrome amb., grn., white
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	7 x 9	7 x 10	16 x 16	16 x 16
Pixel Resolution	Not specified	Not specified	1,280 x 416	1,280 x 416
Refresh Rate (Hz)	70	70	60	78
Multisession Capability				
No. of Concurrent Sessions	Not supported	Not supported	Not supported	Not supported
Session-to-Session Copy Capability	Not applicable	Not applicable	Not applicable	Not applicable
Text Processing Features				
Screen Arrangements	26 x 80, 26 x 132	24 x 80, 24 x 132	24 x 80	24 x 80
Split Screen Capability	Yes, selectable	Yes, variable	Yes, programmable	Yes, programmable
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Blink, dim, blank, reverse, underline
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features				
	Graphics symbols, setup menu, alarm clock, calculator, calendar, ASCII chart desk accessory	Auto screen blank, graphics symbols, setup menu, calculator, calendar, programmable (soft) font	Auto screen blank, graphics symbols, setup menu, modifiable keyboard, alarm clock, calculator, programmable (soft) font	Auto screen blank, graphics symbols, setup menu, modifiable keyboard, alarm clock, calculator
Transmission Specifications				
Physical Interfaces Supported	RS-232-C	RS-232-C, RS-422, 20 mA current loop	RS-232-C, RS-422	RS-232-C, RS-422
Transmission Technique	Async	Async	Async	Async
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol(s) Supptd.	ASCII	ANSI, X3.64	ASCII, ANSI, scan code	ASCII
Maximum Transmission Speed (bps)	38.4K	38.4K	38.4K	38.4K
Operational Modes	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, local, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)
Pricing and Availability				
Purchase Price (\$)	665	589	499	439
Warranty Duration	1 year	1 year	1 year	1 year
Annual Maintenance (\$)	Varies	See comments section	Not specified	Not specified
Serviced By	NCR	NCR	Qume	Qume
Date of First Commercial Delivery	1/90	11/90	2/91	8/90
Comments		Optional 3 year extension to warranty available for \$50.00; made in U.S.A.	Small footprint; ideal for point of sale applications	Universal power supply, 30 day DOA swap policy

Vendor	Qume Corp.	Qume Corp.	Qume Corp.	Sherwood/Kimtron
Product	QVT 323EV	QVT 51	QVT 61	KT-70
Type of Display Terminal				
Functional Category	ASCII/ANSI	ASCII/ANSI	ASCII/ANSI/PC terminal	ASCII/ANSI/PC terminal
Graphics Capability	No	No	No	No
Compatibility	Digital VT100/200, Digital VT320, Qume QVT 131	ADDS, Esprit, TeleVideo, Wyse, Qume	ADDS, Digital VT100, Digital VT200, Esprit, TeleVideo, Wyse, PCterm	Digital VT100, TeleVideo, PCterm, Data General
Communicates with Host	Directly	Directly	Directly	Directly
Hardware Specifications				
Screen Size (inches diagonal)	14	14	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	Digital VT200	Data entry, typewriter	Data entry, Digital VT200, IBM Enhanced PC, typewriter	IBM Enhanced PC, typewriter
No. of internat. keybd. versions	12	12	12	None
No. of program. function key comb.	46	56	Up to 56	Not specified
Other Equipment Supported	Printer	Printer	Printer	Printer
Internal Memory (bytes)	4 screens of text	4 screens of text	7 screens of text	1-4 screens of text
Display Attributes				
Display Color(s)	Monochrome amb., grn., white	Monochrome amb., grn., white	Monochrome amb., grn., white	Monochrome amb., grn., white
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	10 x 12	16 x 16	16 x 16	9 x 13
Pixel Resolution	800 x 312	1,280 x 416	1,280 x 416	720 x 325
Refresh Rate (Hz)	73	78	78	60
Multisession Capability				
No. of Concurrent Sessions	Not supported	Not supported	Not supported	Not supported
Session-to-Session Copy Capability	Not applicable	Not applicable	Not applicable	Not applicable
Text Processing Features				
Screen Arrangements	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80, 24 x 132, 43 x 80	24 x 80
Split Screen Capability	Yes, programmable	Yes, programmable	Yes, programmable	No
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Bold, blink, blank, reverse, underline, double-wide/high char.	Blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Dim, blank, reverse, underline
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features				
	Auto screen blank, graphics symbols, setup menu, modifiable keyboard, alarm clock, calculator, programmable (soft) font	Auto screen blank, graphics symbols, setup menu, modifiable keyboard, alarm clock, calculator	Auto screen blank, graphics symbols, setup menu, modifiable keyboard, alarm clock, calculator, programmable (soft) font, keybd. activated screen alignment	Auto screen blank, graphics symbols, setup menu
Transmission Specifications				
Physical Interfaces Supported	RS-232-C, RS-422	RS-232-C, RS-422	RS-232-C, RS-422	RS-232-C
Transmission Technique	Async	Async	Async	Async
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol(s) Supptd.	ASCII, ANSI	ASCII	ASCII, ANSI, scan code	ASCII, ANSI
Maximum Transmission Speed (bps)	38.4K	38.4K	38.4K	Not specified
Operational Modes	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, block, local
Pricing and Availability				
Purchase Price (\$)	495	469	509	599
Warranty Duration	1 year	1 year	1 year	1 year
Annual Maintenance (\$)	Not specified	Not specified	Not specified	175
Serviced By	Qume	Qume	Qume	Sherwood/Kimtron
Date of First Commercial Delivery	November, 1989	August 1990	October 1990	04/86
Comments		Meets Swedish standards for low electromagnetic emissions	Meets Swedish standards for low electromagnetic emissions	

Vendor	Sherwood/Kimtron	Sherwood/Kimtron	Sherwood/Kimtron	Tektronix Inc.
Product	Sherwood 750 ST	Sherwood 760 ST	Sherwood 785 ST	4205 Color Graphics Terminal
Type of Display Terminal				
Functional Category	ASCII/PC terminal	ASCII/ANSI/PC terminal	ANSI	IBM 3270/ANSI
Graphics Capability Compatibility	No ADDS, Esprit, TeleVideo, Wyse, PCterm, Data General	No ADDS, Digital VT200, Digital VT320, Esprit, IBM 3151/316X, TeleVideo, Wyse, PCterm	No Digital VT200, Digital VT320	Yes Digital VT200, IBM InfoWindow 3471/3472, IBM 319X
Communicates with Host	Directly	Directly	Directly	Directly, via an IBM 3X74 controller
Hardware Specifications				
Screen Size (inches diagonal)	14	14	14	13
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	None
Keyboard:				
US keyboard styles supported	IBM Enhanced PC, typewriter	IBM Enhanced PC, typewriter	Digital VT300	Digital VT200, IBM Enhanced PC
No. of internat. keybd. versions	12	12	12	7
No. of program. function key comb.	24/32	24/32	30	20
Other Equipment Supported	Printer, light pen, bar code reader	Printer, light pen, bar code reader	Printer, light pen, bar code reader	Printer, mouse, bar code reader
Internal Memory (bytes)	4 screens of text	7 screens of text	2 screens of text	256K
Display Attributes				
Display Color(s)	Monochrome amb., grn., white	Monochrome amb., grn., white	Monochrome amb., grn., white	16 colors
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not applicable	64 shades
Character Matrix (dots)	10 x 16	10 x 16	15 x 16	Not specified
Pixel Resolution	1,188 x 916	1,188 x 916	Not specified	480 x 360
Refresh Rate (Hz)	78	78	78	60
Multisession Capability				
No. of Concurrent Sessions	Not supported	2	Not supported	5 IBM 3270, 1 Digital VT
Session-to-Session Copy Capability	Not applicable	No	Not applicable	No
Text Processing Features				
Screen Arrangements	24 x 80, 24 x 132	24 x 80, 24 x 132, 43 x 80, 50x80	24 x 80, 24 x 132, 48 x 80	Not specified
Split Screen Capability	No	Yes	Yes	No
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.	None
Display Attributes	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not specified
Special Features				
	Auto screen blank, graphics symbols, setup menu, alarm clock, calculator, calendar, programmable (soft) font	Auto screen blank, graphics symbols, setup menu, alarm clock, calculator, calendar, programmable (soft) font	Auto screen blank, graphics symbols, setup menu, alarm clock, calculator, calendar, programmable (soft) font	Auto screen blank, graphics symbols, modifiable keyboard
Transmission Specifications				
Physical Interfaces Supported	RS-232-C, RS-422	RS-232-C, RS-422	RS-232-C	Coax Type A, RS-232-C
Transmission Technique	Async	Async	Async	Async or sync
Code	ASCII	ASCII	ASCII	ASCII, EBCDIC
Communications Protocol(s) Supptd.	ASCII	ASCII, ANSI	ANSI	ASCII, ANSI, IBM SNA/SDLC
Maximum Transmission Speed (bps)	38.4K	38.4K	38.4K	38.4K
Operational Modes	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, block, local
Pricing and Availability				
Purchase Price (\$)	499	539	489	2,495
Warranty Duration	1 year	1 year	1 year	1 year
Annual Maintenance (\$)	150	150	150	216
Serviced By	Dow Jones Service	Dow Jones Service	Dow Jones Service	Tektronix
Date of First Commercial Delivery	11/90	11/90	11/90	08/86
Comments				
	Full overscan; universal power supply; parallel printer port; 6 months onsite maintenance free	Full overscan; universal power supply; 3 communications ports; 3 keyboards; 6 months onsite service free	Full overscan video; 60 or 78 Hz refresh rate; universal power supply; 6 months onsite service free	

Vendor	Tektronix Inc.	Tektronix Inc.	Teleray, Inc.	Teleray, Inc.
Product	4207 Color Graphics Terminal	SF4208 Color Graphics Terminal	20DDG	20DHP
Type of Display Terminal	IBM 3270/ANSI	IBM 3270/ANSI, industrial type	ANSI	ASCII/ANSI
Functional Category				
Graphics Capability	Yes	Yes	No	No
Compatibility	Digital VT200, IBM InfoWindow 3471/3472, IBM 319X	Digital VT200, IBM InfoWindow 3471/3472, IBM 319X	Digital VT200, Data General D210	Digital VT100, Digital VT200, Hewlett-Packard 700/92
Communicates with Host	Directly, via an IBM 3X74 controller	Directly, via an IBM 3X74 controller	Directly	Directly
Hardware Specifications				
Screen Size (inches diagonal)	13	13	14	14
Display Pedestal	None	None	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	Digital VT200, IBM Enhanced PC	Digital VT200	Digital VT200	Digital VT200
No. of internat. keybd. versions	7	7	None	1
No. of program. function key comb.	20	20	None	32
Other Equipment Supported	Printer, mouse, bar code reader, tablet	Printer, mouse, bar code reader, tablet	Printer	Printer
Internal Memory (bytes)	512K	512K	64K; 2 screens of text	15.3K; 8 screens of text
Display Attributes				
Display Color(s)	16 colors	16 colors	Monochrome amber, green	Monochrome amber, green
No. of Shades (for graphic term.)	64 shades	64 shades	Not applicable	Not applicable
Character Matrix (dots)	Not specified	Not specified	7 x 9	7 x 9
Pixel Resolution	640 x 480	640 x 480	Not specified	640 x 240
Refresh Rate (Hz)	60	60	60	60
Multisession Capability				
No. of Concurrent Sessions	5 IBM 3270, 1 Digital VT	5 IBM 3270, 1 Digital VT	Not supported	2
Session-to-Session Copy Capability	No	No	Not applicable	No
Text Processing Features				
Screen Arrangements	Not specified	Not specified	24 x 80, 24 x 132	24 x 80, 24 x 132
Split Screen Capability	No	No	No	No
Operator Area	None	None	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Bold, blink, dim, blank, reverse, underline	Bold, blink, dim, blank, reverse, underline	Bold, blink, blank, reverse, underline, double-wide/high char.	Bold, blink, blank, reverse, underline, double-wide/high char.
Protect Format	Yes	No	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features	Auto screen blank, graphics symbols, modifiable keyboard	Auto screen blank, graphics symbols, modifiable keyboard	Auto screen blank, setup menu, programmable (soft) font	Auto screen blank, setup menu, modifiable keyboard
Transmission Specifications				
Physical Interfaces Supported	Coax Type A, RS-232-C	Coax Type A, RS-232-C	RS-232-C, RS-422	RS-232-C, RS-422
Transmission Technique	Async or sync	Async or sync	Async	Async
Code	ASCII, EBCDIC	ASCII, EBCDIC	ASCII	ASCII
Communications Protocol(s) Supp'd.	ASCII, ANSI, IBM SNA/SDLC	ASCII, ANSI, IBM SNA/SDLC	ANSI, X3.64	ASCII, ANSI, X3.64
Maximum Transmission Speed (bps)	38.4K	38.4K	19.2K	19.2K
Operational Modes	Full or half duplex, conversational, block, local	Full or half duplex, conversational, block, local	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, local, monitor (debug)
Pricing and Availability				
Purchase Price (\$)	3,995	5,495	895	895
Warranty Duration	12 months	12 months	1 year	1 year
Annual Maintenance (\$)	216	281	Not specified	Not specified
Serviced By	Tektronix	Tektronix	Teleray	Teleray
Date of First Commercial Delivery	08/86	06/87	01/83	06/86
Comments				Useful for HP/DEC, HP/Unix, and HP/ANSI situations

Vendor	Telery, Inc.	Telery, Inc.	TeleVideo Systems, Inc.	TeleVideo Systems, Inc.
Product	Model 30	TEL 7	9050	9320
Type of Display Terminal				
Functional Category	ASCII/ANSI	ASCII/ANSI	ASCII	ASCII/ANSI
Graphics Capability	Yes	No	No	No
Compatibility	Bull HDS 5, Bull HDS 7, Digital VT 100/200, Digital VT 320/330/340	Digital VT100, Bull HDS 7 and VIP 7824	ADDS, TeleVideo, Wyse	Digital VT100, Digital VT200, Digital VT320, TeleVideo
Communicates with Host	Directly	Directly	Directly	Directly
Hardware Specifications				
Screen Size (inches diagonal)	12, 13, 14, 15	14	14	14
Display Pedestal	Tilt, swivel, height-adjust.	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	Digital VT200, Digital VT300, IBM Enhanced PC, Bull VIP	Bull VIP	Data entry	Digital VT200
No. of internat. keybd. versions	12	None	11	11
No. of program. function key comb.	100	32	32	60
Other Equipment Supported	Printer, mouse, bar code reader, optical scanner	Printer, bar code reader	Printer, light pen	Printer, light pen
Internal Memory (bytes)	1.2M; 8 screens of text	5.7K; 3 screens of text	512K; 2 screens of text	512K; 2-6 screens of text
Display Attributes				
Display Color(s)	Mono. A/G/W or 16 colors	Monochrome amber, green	Monochrome, amb., grn., white	Monochrome amber, white
No. of Shades (for graphic term.)	16 shades	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	16 x 15	7 x 9	7 x 10	7 x 9
Pixel Resolution	1,320 x 500	640 x 240	Not specified	Not specified
Refresh Rate (Hz)	60	60	70	70
Multisession Capability				
No. of Concurrent Sessions	4 text and/or graphics sess.	2	Not supported	Not supported
Session-to-Session Copy Capability	Yes	No	Not applicable	Not applicable
Text Processing Features				
Screen Arrangements	24 x 80, 24 x 132, 27 x 132 32 x 80, 43 x 80	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80, 24 x 132
Split Screen Capability	Yes, 2 horiz. or 2 vertical	No	No	No
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Bold, blink, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	4	Not supported	Not supported	Not supported
Window Customization Capability	Size, position, color, title	Not applicable	Not applicable	Not applicable
Special Features				
	Auto screen blank, graphics symbols, setup menu, modifiable keyboard (standard), alarm clock, programmable (soft) font	Auto screen blank, setup menu, modifiable keyboard	Auto screen blank, graphics symbols, setup menu, multi-lang. setup menu (optional), modifiable keyboard (standard)	Auto screen blank, graphics symbols, setup menu, multi-lang. setup menu (optional), modifiable keyboard (standard), alarm clock, calculator,
Transmission Specifications				
Physical Interfaces Supported	RS-232-C, RS-422, RS-423	RS-232-C, RS-422	RS-232-C, RS-422	RS-232-C, RS-423
Transmission Technique	Async or sync	Async or sync	Async	Async
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol(s) Supptd.	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64	ASCII	ASCII, ANSI
Maximum Transmission Speed (bps)	38.4K	19.2K	38.4K	38.4K
Operational Modes	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, block, local, monitor (debug)	Full or half duplex, conversational, block, local
Pricing and Availability				
Purchase Price (\$)	1,995	1,150	479	509
Warranty Duration	1 year	1 year	12 months	12 months
Annual Maintenance (\$)	Not specified	Not specified	Not specified	Not specified
Serviced By	Telery	Telery	Intelogic Trace	Intelogic Trace
Date of First Commercial Delivery	10/89	06/84	11/90	Not specified
Comments				

Vendor	TeleVideo Systems, Inc.	TeleVideo Systems, Inc.	Visentech Systems, Inc.	Visentech Systems, Inc.
Product	935	965	230E	VS-211
Type of Display Terminal				
Functional Category	ASCII	ASCII/ANSI/PC terminal	ANSI, ASCII	Unisys-compatible terminal
Graphics Capability	No	No	Yes	No
Compatibility	ADDS, TeleVideo, Wyse	ADDS, Digital VT100, IBM 3101, IBM 3151/316X, Wyse, Hazeltine, Data General, Lear Siegler	Digital VT100, Digital VT200, Digital VT320	Unisys T27 and ET1100
Communicates with Host	Directly	Directly	Directly	Directly
Hardware Specifications				
Screen Size (inches diagonal)	14	14	14, flat	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	Data entry	Data entry, Digital VT200, IBM Enhanced PC	Data entry, Digital VT200	Data entry, typewriter, Unisys T27
No. of internat. keybd. versions	11	12	16	20
No. of program. function key comb.	32	128	45	Not specified
Other Equipment Supported	Printer	Printer, light pen	Printer	Printer, bar code reader
Internal Memory (bytes)	512K; 2 pages screens of text	512K; 7 screens of text	34K; 4 screens of text	64K; 10 screens of text
Display Attributes				
Display Color(s)	Monochrome amber, green	Monochrome, amb., grn., white	Monochrome, amb., grn., white	Monochrome amb., grn., white
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not applicable	Not applicable
Character Matrix (dots)	7 x 9	7 x 11	7 x 11	7 x 9
Pixel Resolution	Not specified	Not specified	800 x 364	800 x 360
Refresh Rate (Hz)	70	60	60	60
Multisession Capability				
No. of Concurrent Sessions	Not supported	Not supported	2	2 async or sync
Session-to-Session Copy Capability	Not applicable	Not applicable	Yes	Yes
Text Processing Features				
Screen Arrangements	24 x 80, 24 x 132	24 x 80, 24 x 132, 25 x 80/132, 43 x 80/132, 48 x 80/132, 49 x 80/132	24 x 80, 24 x 132, 34 x 80/132	24 x 80
Split Screen Capability	No	Yes	Yes, movable horiz. border	Yes, horizontal
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Blink, blank, reverse, underline
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features				
	Auto screen blank, graphics symbols, setup menu, multi-lang. setup menu, (optional), modifiable keyboard (standard)	Auto screen blank, graphics symbols, setup menu, multi-lang. setup menu, (optional), modifiable keyboard (standard), alarm clock, calculator, soft font	Auto screen blank, setup menu, modifiable keyboard	Auto screen blank, setup menu, modifiable keyboard
Transmission Specifications				
Physical Interfaces Supported	RS-232-C, RS-422	RS-232-C, RS-422	RS-232-C, RS-422, RS-423	RS-232-C
Transmission Technique	Async	Async	Async	Async or sync
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol(s) Supptd.	ASCII	ASCII	ASCII, ANSI, X3.64	Unisys TDI
Maximum Transmission Speed (bps)	38.4K	38.4K	38.4K	19.2K
Operational Modes	Full or half duplex, conversational, block, local	Full or half duplex, conversational, block, local	Full or half duplex, conversational, block, local	Half duplex, block, monitor (debug)
Pricing and Availability				
Purchase Price (\$)	429	405	549	895
Warranty Duration	12 months	12 months	12 months	2 months
Annual Maintenance (\$)	Not specified	Not specified	Not specified	Not specified
Serviced By	Intelogic Trace	Not specified	Direct or 3rd party	Third-party Co.
Date of First Commercial Delivery	05/89	1989	6/88	1/89
Comments				

Vendor	Visentech Systems, Inc.	Visentech Systems, Inc.	Visentech Systems, Inc.	Visentech Systems, Inc.
Product	VS-220	VS-227	VS-230UV	VS-320
Type of Display Terminal Functional Category	ANSI	ASCII, Unisys-compatible	ANSI	ANSI
Graphics Capability Compatibility	No Digital VT100, Digital VT200	No Unisys T27 and ET1100	Yes Digital VT100, Digital VT200, Digital VT320, Unisys UVT-1224	Yes Digital VT200, Digital VT320, Tektronics 4010/4014
Communicates with Host	Directly	Directly	Directly	Directly
Hardware Specifications				
Screen Size (inches diagonal)	12	14	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	Data entry, Digital VT200	Data entry, typewriter, Unisys T27	Data entry, Digital VT200, Digital VT300, Unisys UVT-1224	Data entry, typewriter, Digital VT220
No. of internat. keybd. versions	16	3	16	16
No. of program. function key comb.	36	20	45	45
Other Equipment Supported	Printer	Printer, bar code reader	Printer	Printer
Internal Memory (bytes)	12K; 1 screen of text	64K; 14 screens of text	34K; 4 screens of text	18K; 1 screen of text
Display Attributes				
Display Color(s)	Monochrome amb., grn., white	Monochrome amb., grn., white	Monochrome, amb., grn., white	Monochrome amber, grn., white
No. of Shades (for graphic term.)	Not applicable	Not applicable	Not specified	Not specified
Character Matrix (dots)	7 x 9	7 x 9	10 x 10	7 x 11
Pixel Resolution	Not specified	800 x 360	800 x 364	800 x 364
Refresh Rate (Hz)	60	60	60	72
Multisession Capability				
No. of Concurrent Sessions	Not supported	3	2	2
Session-to-Session Copy Capability	Not applicable	Yes	Yes	Yes
Text Processing Features				
Screen Arrangements	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80, 24 x 132, 25 x 80, 25 x 132, 34 x 80, 34 x 132	24 x 80, 24 x 132
Split Screen Capability	Yes	Yes, 3 horizontal splits	Yes, horizontal & movable	Not specified
Operator Area	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.	Status line, row/col. indicat.
Display Attributes	Bold, blink, reverse, underline, double-wide/high char.	Bold, blink, blank, reverse, underline	Bold, blink, blank, reverse, underline, double-wide/high char.	Bold, blink, blank, reverse, underline, double-wide/high char.
Protect Format	Yes	Yes	Yes	Yes
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features				
	Auto screen blank, setup menu	Auto screen blank, setup menu, modifiable keyboard	Auto screen blank, setup menu	Auto screen blank, multi-lang. setup menu
Transmission Specifications				
Physical Interfaces Supported	RS-232-C, RS-423	RS-232-C	RS-232-C	RS-423
Transmission Technique	Async	Async or sync	Async	Async
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol(s) Supp'd.	ANSI	ASCII, Unisys TDI	ANSI, X3.64	ANSI, X3.64, CCITT X.26
Maximum Transmission Speed (bps)	19.2K	38.4K	38.4K	38.4K
Operational Modes	Full or half duplex, conversational, local	Half duplex, block, monitor (debug)	Full or half duplex, conversational, block, local	Full or half duplex, conversational, block, local
Pricing and Availability				
Purchase Price (\$)	399	1,095	645	449
Warranty Duration	1 year	1 year	1 year	1 year
Annual Maintenance (\$)	Not specified	Not specified	Not specified	Not specified
Serviced By	Direct or third-party	Various third-party co.	Direct or third-party	Direct or third-party
Date of First Commercial Delivery	4/87	1/89	11/89	3/90
Comments				

Vendor	Visitech Systems, Inc.	Westinghouse Canada	Wyse Technology, Inc.	Wyse Technology, Inc.
Product	VS-327	W840	WY-150	WY-160
Type of Display Terminal	ASCII/ANSI	IBM 3270	ASCII/ANSI/PC terminal	ASCII/ANSI/PC terminal
Functional Category	ASCII/ANSI	IBM 3270	ASCII/ANSI/PC terminal	ASCII/ANSI/PC terminal
Graphics Capability	No	No	No	Yes
Compatibility	Digital VT320, Unisys T27	Esprit, IBM InfoWindow 3471/3472, IBM InfoWindow 3476/3477, ALC, UTS20, various airline-specific terminals	ADDS, Digital VT100, TeleVideo, Digital VT52	ADDS, Digital VT200, Digital VT320, TeleVideo, Tektronix 4010/4014 graphics, Data General
Communicates with Host	Directly	W840 Master (proprietary controller)	Directly, via a terminal server	Directly, via a terminal server
Hardware Specifications				
Screen Size (inches diagonal)	14	14	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard:				
US keyboard styles supported	Data entry, Digital VT300, typewriter, Unisys T27	IBM Enhanced PC, 91- and 112-key layouts	IBM Enhanced PC, Wyse ASCII & ANSI	Digital VT300, IBM Enhanced PC, Wyse ASCII
No. of internat. keybd. versions	3	None	3	12
No. of program. function key comb.	20	60	30	40
Other Equipment Supported	Printer, bar code reader	Printer, bar code reader, optical scanner, airline boarding pass	Printer	Printer, mouse
Internal Memory (bytes)	128K; 10 screens of text	32K-256K	25K; 7 screens of text	48K; 8 screens of text
Display Attributes				
Display Color(s)	Monochrome amber, grn., white	Monochrome amber	Monochrome amb., grn., white	Monochrome amb., grn., white
No. of Shades (for graphic term.)	Not applicable	Not specified	Not applicable	Not specified
Character Matrix (dots)	7 x 9	7 x 9	10 x 16	10 x 20
Pixel Resolution	800 x 360	Not specified	1,188 x 416	Not specified
Refresh Rate (Hz)	72	60	78, 60	76/60
Multisession Capability		Not supported		
No. of Concurrent Sessions	6	Not applicable	Depends on host application	2
Session-to-Session Copy Capability	Yes	Not applicable	Not specified	Not specified
Text Processing Features				
Screen Arrangements	24 x 80, 24 x 132	17 x 64/74/80, 25 x 64/74/80, 30 x 64/74/80, 34 x 64/74/80	26 x 80, 26 x 132	27 x 80, 45 x 80/132
Split Screen Capability	Yes, 3 horizontal splits	Yes	No	Yes
Operator Area	Status line, row/col. indicat.	Status line	Status line	Status line
Display Attributes	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, reverse, underline	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.
Protect Format	Yes	Yes	Not specified	No
Windowing Capability		Not supported		Not supported
No. of Simultaneous Windows	Not supported	Not applicable	Depends on host application	Not applicable
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features	Auto screen blank, graphics symbols, multi-lang. setup menu (optional)	Auto screen blank, setup menu, modifiable keyboard, calculator, calendar, notepad	Auto screen blank, graphics symbols, programmable (soft) font, icons	Auto screen blank, modifiable keyboard, programmable (soft) font
Transmission Specifications				
Physical Interfaces Supported	RS-232-C	RS-232-C	RS-232-C	RS-232-C
Transmission Technique	Async or sync	Sync	Async	Async
Code	ASCII	EBCDIC	ASCII	ASCII
Communications Protocol(s) Supptd.	ANSI, Unisys TDI	IBM SNA/SDLC, X.25	Not specified	ASCII, ANSI, X3.64
Maximum Transmission Speed (bps)	38.4K	19.2K	38.4K	115K
Operational Modes	Full duplex, conversational, block, local	Full or half duplex	Full or half duplex, conversational, block, monitor (debug)	Full or half duplex, block, local, monitor (debug)
Pricing and Availability				
Purchase Price (\$)	1,295	Not specified	549	629
Warranty Duration	1 year	Not specified	1 year	1 year
Annual Maintenance (\$)	Not specified	Not specified	48-60	48-60
Serviced By	Various third-party co.	Not specified	Wyse or third party	Wyse or third party
Date of First Commercial Delivery	8/90	Not specified	November 1988	1990
Comments		Multiple custom keyboard layouts; high-productivity user interface specifically for airline applications	Optional height-adjustable arm	Optional height-adjustable arm; 16 ASCII/ANSI/PC personality modes, including Tektronix 4010/4014

Vendor	Wyse Technology, Inc.	Wyse Technology, Inc.	Wyse Technology, Inc.	Wyse Technology, Inc.
Product	WY-185	WY-30	WY-370	WY-60
Type of Display Terminal Functional Category	ANSI	ASCII	ASCII/ANSI	ASCII/ANSI/PC terminal
Graphics Capability Compatibility	No Digital VT200, Digital VT320	No ADDS, TeleVideo	Yes ADDS, Digital VT200, Digital VT320, Esprit, TeleVideo, Tektronix 4010/4014 graphics, Wyse ASCII	No ADDS, Digital VT100, IBM 3101, IBM 3151/316X, TeleVideo, Digital VT52
Communicates with Host	Directly, via a terminal server	Directly	Directly, via a terminal server	Directly, via a terminal server
Hardware Specifications				
Screen Size (inches diagonal)	14	14	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel, height-adjust.	Tilt, swivel	Tilt, swivel
Keyboard: US keyboard styles supported	Digital VT300	83-key Wyse proprietary layout	Digital VT300, IBM Enhanced PC, Wyse ASCII	IBM Enhanced PC, Wyse ASCII & ANSI (101 keys)
No. of internat. keybd. versions	13	10	None	Not specified
No. of program. function key comb.	30	16	32	Not specified
Other Equipment Supported	Printer	Printer	Printer	Not specified
Internal Memory (bytes)	24K; 2 screens of text	Not specified	64K; 3 screens of text	7 screens of text
Display Attributes				
Display Color(s)	Monochrome amb., grn., white	Monochrome amber, green	32 colors	Monochrome amb., grn., white
No. of Shades (for graphic term.)	Not applicable	Not applicable	64 shades	Not applicable
Character Matrix (dots)	15 x 12	10 x 12	16 x 20	7 x 12
Pixel Resolution		Not specified	640 x 480	1,188 x 416
Refresh Rate (Hz)	85	Not specified	74, 65, 60	60
Multisession Capability				
No. of Concurrent Sessions	Not supported	Not supported	2	Not supported
Session-to-Session Copy Capability	Not applicable	Not applicable	Not specified	Not applicable
Text Processing Features				
Screen Arrangements	25 x 80, 25 x 132	24 x 80	26 x 80/132/161, 52 x 80/132/161	26 x 80/132, 44 x 80/132
Split Screen Capability	No	Yes, horizontal split	Yes, horizontal or vertical	Yes
Operator Area	Status line	Status line, row/col. indicat.	None	Status line
Display Attributes	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Bold, blink, dim, blank, reverse, underline, double-wide/high char.	Blink, dim, blank, reverse, underline, double-wide/high char.
Protect Format	No	Yes	No	No
Windowing Capability				
No. of Simultaneous Windows	Not supported	Not supported	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable	Not applicable	Not applicable
Special Features	Setup menu, programmable (soft) font	International language kits available	Setup menu, alarm clock, calculator, calendar, programmable (soft) font, help messages	Setup menu, alarm clock, calculator, calendar, programmable (soft) font, ASCII table, WordStar word processing node
Transmission Specifications				
Physical Interfaces Supported	RS-232-C, Wyse's RJ-11- and DEC MMJ-compat. connector	RS-232-C	RS-232-C, RS-422	RS-232-C
Transmission Technique	Async	Async	Async	Async
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol(s) Supp'd.	ANSI, X3.64	ASCII	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64
Maximum Transmission Speed (bps)	38.4K	38.4K	76.8K	38.4K
Operational Modes	Full or half duplex, conversational, local, monitor (debug)	Full or half duplex, conversational, block	Full or half duplex, block, monitor (debug)	Full or half duplex, conversational, block
Pricing and Availability				
Purchase Price (\$)	449	419	1,249	599
Warranty Duration	1 year	1 year	1 year	1 year
Annual Maintenance (\$)	48-60	48-60	48-60	48-60
Serviced By	Wyse or third party	Wyse or third party	Wyse or third party	Wyse or third party
Date of First Commercial Delivery	July 1989	1984	July 1989	1986
Comments	Optional height-adjustable arm		Optional height-adjustable arm; cartridge interface for secondary comm. port or a personality module; dual sessions	Optional height-adjustable arm; supports 12 different compatibility nodes; stores 7 screens of text

Vendor	Wyse Technology, Inc.	Wyse Technology, Inc.
Product	WY-85	WY-99GT
Type of Display Terminal Functional Category	ANSI	ASCII/ANSI/PC terminal
Graphics Capability Compatibility	No Digital VT100, Digital VT200, Digital VT52	Yes Digital VT200, TeleVideo, Tektronix 4010/14 graphics, VMS/UNIX/XENIX OS, Lear Siegler, PC term
Communicates with Host	Directly, via a terminal server	Directly, via a terminal server
Hardware Specifications		
Screen Size (inches diagonal)	14	14
Display Pedestal	Tilt, swivel	Tilt, swivel
Keyboard:		
US keyboard styles supported	Digital VT200	Digital VT200, IBM Enhanced PC, Wyse ASCII
No. of internat. keybd. versions	None	None
No. of program. function key comb.	30	Not specified
Other Equipment Supported	Printer	Printer, light pen
Internal Memory (bytes)	Not specified	32K; 2 screens of text
Display Attributes		
Display Color(s)	Monochrome amber, green	Monochrome, amber
No. of Shades (for graphic term.)	Not applicable	Not applicable
Character Matrix (dots)	7 x 9	10 x 13
Pixel Resolution	Not specified	800 x 312
Refresh Rate (Hz)	Not specified	70, 60
Multisession Capability		
No. of Concurrent Sessions	Not supported	Not supported
Session-to-Session Copy Capability	Not applicable	Not applicable
Text Processing Features		
Screen Arrangements	24 x 80, 24 x 132, 25 x 80, 25 x 132	24 x 80, 24 x 132
Split Screen Capability	No	Yes, horizontal
Operator Area	Status line	Status line
Display Attributes	Bold, blink, dim, blank, reverse, underline	Bold, blink, dim, blank, reverse, underline, double-wide/high char.
Protect Format	No	No
Windowing Capability		
No. of Simultaneous Windows	Not supported	Not supported
Window Customization Capability	Not applicable	Not applicable
Special Features	Graphics symbols, setup menu, programmable (soft) font, multinational symbol set	Setup menu, alarm clock, calculator, calendar, programmable (soft) font, ASCII table
Transmission Specifications		
Physical Interfaces Supported	RS-232-C	RS-232-C
Transmission Technique	Async	Async
Code	ASCII	ASCII
Communications Protocol(s) Supptd.	ANSI, X3.64	ASCII, ANSI, X3.64
Maximum Transmission Speed (bps)	38.4K	38.4K
Operational Modes	Full or half duplex, conversational, block, local	Full or half duplex, conversational, block
Pricing and Availability		
Purchase Price (\$)	Not specified	649
Warranty Duration	1 years	1 year
Annual Maintenance (\$)	48-60	48-60
Serviced By	Wyse or third party	Wyse or third party
Date of First Commercial Delivery	1985	April 1987
Comments	Optional height-adjustable arm	Optional height-adjustable arm; over 12 different alphanumeric emulation modes: Tektronix 4010/4014 graphics; dual host ports