

## IBM 4381 Series

### Product Enhancement

As part of a February announcement blitz, IBM added two top-end models to the 4381 Series. The single-processor Model Group 91E and the dual-processor Model Group 92E are similar to the existing Model Groups 23 and 24, but they support the Enterprise Systems Architecture (ESA) and expanded storage. To implement ESA/370 on the new models, users must install Multiple Virtual Storage/System Product (MVS/SP) Version 3 and MVS/Data Facility Product (DFP) Version 3. (For information about ESA/370, please refer to the IBM 3090 Product Enhancement on Page 70C-504MK-445.)

The Model Group 91E features 16 to 64 megabytes of main memory, six standard channels, and six optional channels. The Model Group 92E features 16 to 64 megabytes of main memory, 12 standard channels, and 12 optional channels. Both models also feature 16 to 32 megabytes of optional expanded storage, a feature previously available only at the 3090 level.

The 4381 Series has traditionally served as a platform for IBM users planning to migrate from the older DOS/VSE operating system to the larger MVS environment. Users who have already migrated to top-end 4381 systems can also migrate to the larger IBM 3090 environment. Although a conversion from VSE to MVS is no mean task, IBM has been encouraging 4381 users to eventually migrate to MVS. Now that the 4381 Series can support ESA/370, IBM's latest operating system version, medium-scale users can take advantage of some of the benefits available with the 3090 environment.

The 4381 Series now overlaps the performance of the 3090 Series at the low end. A basic 91E is rated at 4.8 million instructions per second (MIPS), while a basic 92E is rated at 8.1 MIPS. An entry-level 3090 Model 120E is rated at 7.5 MIPS, and a 3090 Model 150E is rated at 10.1 MIPS.

The new models will be available in November. Model Group 23 users can upgrade to the 91E and Model Group 24 users can upgrade to the 92E. These upgrade options will also be available in November. A 91E-to-92E upgrade option will be available in February 1989. MVS/SP Version 3 will be available in staged deliveries beginning in August. New functions available after August but before the end of the year will be shipped automatically with the then-current MVS/SP Version 3. MVS/DFP Version 3 will be available in December. □

### EQUIPMENT PRICES

		Purchase Price (\$)	Monthly Maint. (\$)	Monthly Rental (\$)
<b>Model Group 91E</b>				
4381 P91	Processor with 16 megabytes of main memory and 64-kilobyte buffer	550,000	665	70,060
4381 R91	Same as P91, but with 32 megabytes of main memory	630,000	689	82,310
4381 S91	Same as P91, but with 48 megabytes of main memory	710,000	713	94,560
4381 T91	Same as P91, but with 64 megabytes of main memory	790,000	737	106,800
<b>Model Group 92E</b>				
4381 P92	Processor with 16 megabytes of shared main memory and a 128-kilobyte buffer	920,000	835	117,150
4381 R92	Same as P92, but with 32 megabytes of main memory	1,000,000	859	129,450
4381 S92	Same as P92, but with 48 megabytes of main memory	1,080,000	883	141,700
4381 T92	Same as P92, but with 64 megabytes of main memory	1,160,000	907	153,950

### SYSTEM UPGRADES

—	4381 P23 to 4381 P91	20,000	—	—
—	4381 P23 to 4381 R91	100,000	—	—
—	4381 P23 to 4381 S91	180,000	—	—
—	4381 P23 to 4381 T91	260,000	—	—
—	4381 R23 to 4381 R91	20,000	—	—
—	4381 R23 to 4381 S91	100,000	—	—
—	4381 R23 to 4381 T91	180,000	—	—
—	4381 S23 to 4381 S91	20,000	—	—
—	4381 S23 to 4381 T91	100,000	—	—

IBM 4381 Series

EQUIPMENT PRICES (Continued)

—	4381 T23 to 4381 T91	20,000	—	—
—	4381 P24 to 4381 P92	30,000	—	—
—	4381 P24 to 4381 R92	110,000	—	—
—	4381 P24 to 4381 S92	190,000	—	—
—	4381 P24 to 4381 T92	270,000	—	—
—	4381 R24 to 4381 R92	30,000	—	—
—	4381 R24 to 4381 S92	110,000	—	—
—	4381 R24 to 4381 T92	190,000	—	—
—	4381 S24 to 4381 S92	30,000	—	—
—	4381 S24 to 4381 T92	110,000	—	—
—	4381 T24 to 4381 T92	30,000	—	—
—	4381 P91 to 4381 P92 with feature 1870	334,420	—	—
—	4381 P91 to 4381 R92 with feature 1870	414,420	—	—
—	4381 P91 to 4381 S92 with feature 1870	494,420	—	—
—	4381 P91 to 4381 T92 with feature 1870	574,420	—	—
—	4381 R91 to 4381 R92 with feature 1870	334,420	—	—
—	4381 R91 to 4381 S92 with feature 1870	414,420	—	—
—	4381 R91 to 4381 T92 with feature 1870	494,420	—	—
—	4381 S91 to 4381 S92 with feature 1870	334,420	—	—
—	4381 S91 to 4381 T92 with feature 1870	414,420	—	—
—	4381 T91 to 4381 T92 with feature 1870	334,420	—	—
—	4381 P91 to 4381 P92 without feature 1870	370,000	—	—
—	4381 P91 to 4381 R92 without feature 1870	450,000	—	—
—	4381 P91 to 4381 S92 without feature 1870	530,000	—	—
—	4381 P91 to 4381 T92 without feature 1870	610,000	—	—
—	4381 R91 to 4381 R92 without feature 1870	370,000	—	—
—	4381 R91 to 4381 S92 without feature 1870	450,000	—	—
—	4381 R91 to 4381 T92 without feature 1870	530,000	—	—
—	4381 S91 to 4381 S92 without feature 1870	370,000	—	—
—	4381 S91 to 4381 T92 without feature 1870	450,000	—	—
—	4381 T91 to 4381 T92 without feature 1870	370,000	—	—

SOFTWARE PRICES

		Basic Monthly License Charge (\$)	DSLO Monthly License Charge (\$)	Basic Graduated Onetime Charge (\$)	DSLO Graduated Onetime Charge (\$)
<b>Operating Systems</b>					
5685-001	MVS/SP Version 3; Enterprise Systems Architecture/370 (ESA/370 with JES2)				
	Graduated Charge: Processor Group 30	4,800	3,600	163,200	122,400
	Graduated Charge: Processor Group 40	4,800	3,600	259,200	194,400
5685-002	MVS/SP Version 3; Enterprise Systems Architecture/370 (ESA/370 with JES3)				
	Graduated Charge: Processor Group 30	5,400	4,050	183,600	137,700
	Graduated Charge: Processor Group 40	4,800	4,050	291,600	218,700
5665-XA3	MVS/Data Facility Product (MVS/DFP) Version 3				
	Graduated Charge: Processor Group 20	1,800	1,350	54,000	40,500
	Graduated Charge: Processor Group 30	1,800	1,350	54,000	40,500
	Graduated Charge: Processor Group 40	1,800	1,350	86,400	64,800
5740-SM1	Data Facility Sort (DFSORT) Release 10.0				
	Graduated Charge: Processor Group 20	247	—	8,400	—
	Graduated Charge: Processor Group 30	247	—	8,400	—
	Graduated Charge: Processor Group 40	247	—	13,340	—
5664-325	DFSORT/CMS Release 1				
	Graduated Charge: Processor Group 10	—	—	475	—
	Graduated Charge: Processor Group 20	—	—	825	—
	Graduated Charge: Processor Group 30	—	—	1,200	—
	Graduated Charge: Processor Group 40	—	—	1,900	—