



2014 Marvell Product Selector Guide

TOTAL SOLUTIONS FROM MARVELL

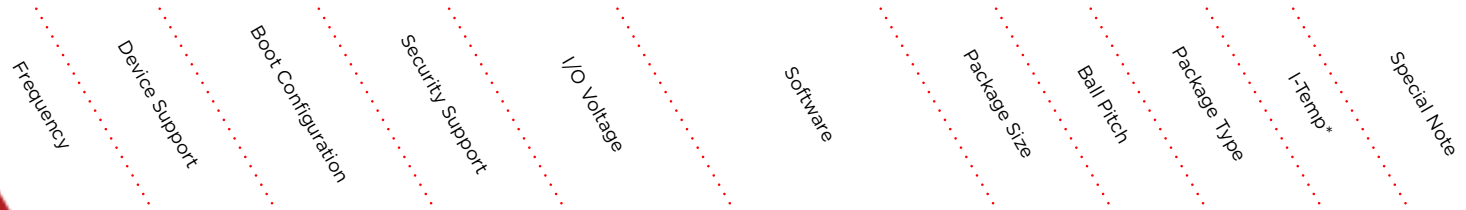
Providing a broad spectrum of solutions across a wide range of market segments.

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ARMADA™ Series

Application Processors

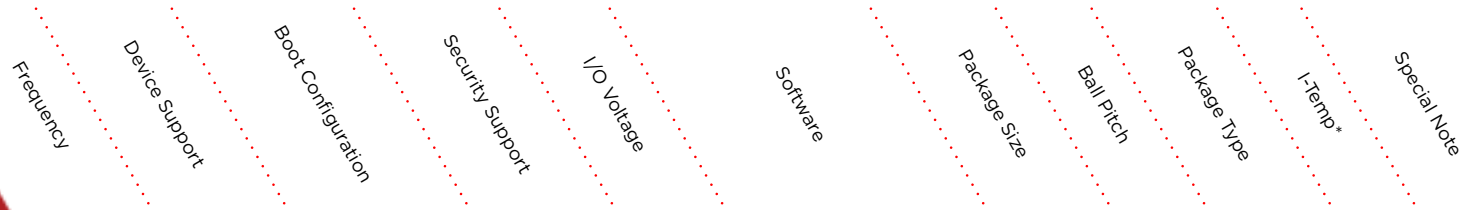


ARMADA 100 Family											
Part Number	Frequency	Device Support	Boot Configuration	Security Support	I/O Voltage	Software	Package Size	Ball Pitch	Package Type	I-Temp*	Special Note
88AP162-B0-BJD2C004	400MHz	6 chip selects	Auto-boot configuration	No	1.8v, 3.3v	Linux, Adobe® FlashLite, Android, Windows® CE	15mm x 15mm	0.8mm	Discrete	*	
88AP166-B0-BJD2C008	800MHz	6 chip selects	Auto-boot configuration	No	1.8v, 3.3v	Linux, Adobe® FlashLite, Android, Windows® CE	15mm x 15mm	0.8mm	Discrete	Yes	
88AP168-B0-BJD2C010	1000MHz	6 chip selects	Auto-boot configuration	No	1.8v, 3.3v	Linux, Adobe® FlashLite, Android, Windows® CE	15mm x 15mm	0.8mm	Discrete	Yes	
ARMADA 500 Family											
88AP510-A1-BJV2C008	800MHz	7 chip selects	Auto-boot configuration	No	1.0v, 1.1v, 1.5v, 1.8v, 2.5v, 3.3v	Ubuntu Linux, Android, Adobe® Flash	27mm x 27mm	1.0mm	Discrete	*	
88AP510-A1-BJV2C010	1000MHz	7 chip selects	Auto-boot configuration	No	1.0v, 1.1v, 1.5v, 1.8v, 2.5v, 3.3v	Ubuntu Linux, Android, Adobe® Flash	27mm x 27mm	1.0mm	Discrete	*	
ARMADA 600 Family											
88AP610-A1-BKF2C008-TUNV	800MHz	7 chip selects	Auto-boot configuration	Yes	1.2v, 1.5v, 1.8v, 3.0v, 3.3v	Linux, Android, Adobe® Flash	12mm x 12mm	0.5mm	POP	*	
88AP610-A1-BLO2C008-TUNV	800MHz	7 chip selects	Auto-boot configuration	Yes	1.2v, 1.5v, 1.8v, 3.0v, 3.3v	Linux, Android, Adobe® Flash	16mm x 16mm	0.5mm	Discrete	*	
88AP610-A1-BLO2C010-TUNV	1000MHz	7 chip selects	Auto-boot configuration	Yes	1.2v, 1.5v, 1.8v, 3.0v, 3.3v	Linux, Android, Adobe® Flash	16mm x 16mm	0.5mm	Discrete	*	
88AP610-A1-BLT2A008-TUNV	800MHz	7 chip selects	Auto-boot configuration	Yes	1.2v, 1.5v, 1.8v, 3.0v, 3.3v	Linux, Android, Adobe® Flash	21mm x 21mm	0.65mm	Discrete	*	Automotive Grade
88AP610-A1-BLT2C008-TUNV	800MHz	7 chip selects	Auto-boot configuration	Yes	1.2v, 1.5v, 1.8v, 3.0v, 3.3v	Linux, Android, Adobe® Flash	21mm x 21mm	0.65mm	Discrete	*	
88AP610-A1-BLT2C010-TUNV	1000MHz	7 chip selects	Auto-boot configuration	Yes	1.2v, 1.5v, 1.8v, 3.0v, 3.3v	Linux, Android, Adobe® Flash	21mm x 21mm	0.65mm	Discrete	*	

*Parts available in temperature range -25C to 85C.

PXA Series

Application Processors

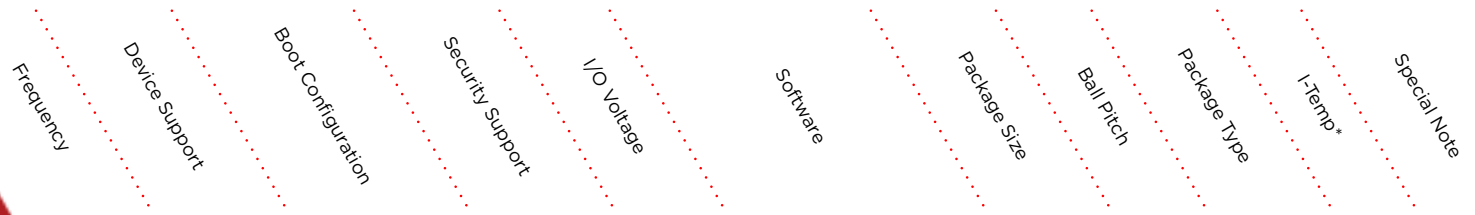


PXA300 Family											
88AP300-A1-BGK2C624-T161	624MHz	8 chip selects	x16 NAND	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	13mm x 13mm	0.5mm	Discrete	*	
88AP300-A1-BGK2C624-T162	624MHz	8 chip selects	x8 NAND	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	13mm x 13mm	0.5mm	Discrete	*	
88AP300-A1-BGK2C624-T163	624MHz	8 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	13mm x 13mm	0.5mm	Discrete	*	
88AP300-A1-BGK2C208-T164	208MHz	8 chip selects	x8 NAND	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	13mm x 13mm	0.5mm	Discrete	*	
88AP303-A1-BGF2C624-TN12	624MHz	8 chip selects	x16 NAND	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	19mm x 19mm	0.8mm	Discrete	*	
88AP303-A1-BGF2C624-TN22	624MHz	8 chip selects	x8 NAND	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	19mm x 19mm	0.8mm	Discrete	*	
88AP303-A1-BGF2C208-TN22	208MHz	8 chip selects	x8 NAND	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	19mm x 19mm	0.8mm	Discrete	*	
88AP303-A1-BGF2C624-TN32	624MHz	8 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	19mm x 19mm	0.8mm	Discrete	*	
88AP303-A1-BGF2C208-TN32	208MHz	8 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	19mm x 19mm	0.8mm	Discrete	*	
PXA310 Family											
88AP310-B1-BGK2C624-TN02	624MHz	8 chip selects	Auto-boot configuration	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	13mm x 13mm	0.5mm	Discrete	*	
88AP310-B1-BGK2C624-TS02	624MHz	8 chip selects	Auto-boot configuration	Yes (trusted)	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	13mm x 13mm	0.5mm	Discrete	*	
88AP310-B1-BGK2C806-TN02	806MHz	8 chip selects	Auto-boot configuration	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	13mm x 13mm	0.5mm	Discrete	*	

*Parts available in temperature range -25C to 85C.

PXA Series

Application Processors



PXA320 Family											
88AP320-C0-BGR2C624-TN30	624MHz	6 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	14mm x 14mm	0.5mm	Discrete	*	Low power
88AP320-C0-BGR2C806-TN31	806MHz	6 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	14mm x 14mm	0.5mm	Discrete	*	Standard power
88AP320-C0-BGR2C806-TN30	806MHz	6 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	14mm x 14mm	0.5mm	Discrete	*	Low power
88AP320-C0-BGR2C624-TN10	624MHz	6 chip selects	x16 NAND	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	14mm x 14mm	0.5mm	Discrete	*	Low power
88AP320-C0-BGR2C806-TN10	806MHz	6 chip selects	x16 NAND	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	14mm x 14mm	0.5mm	Discrete	*	Low power
88AP320-C0-BGR2C806-TN11	806MHz	6 chip selects	x16 NAND	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	14mm x 14mm	0.5mm	Discrete	*	Standard power
88AP320-C0-BGR2C624-TN20	624MHz	6 chip selects	x8 NAND	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	14mm x 14mm	0.5mm	Discrete	*	Low power
88AP320-C0-BGR2C624-TN21	624MHz	6 chip selects	x8 NAND	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	14mm x 14mm	0.5mm	Discrete	*	Standard power
88AP320-C0-BGR2C806-TN21	806MHz	6 chip selects	x8 NAND	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	14mm x 14mm	0.5mm	Discrete	*	Standard power
88AP320-C0-BGR2E806-TN21	806MHz	6 chip selects	x8 NAND	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	14mm x 14mm	0.5mm	Discrete	Yes	Standard power
PXA270 Family											
88AP270MA2-BGO2C312	312MHz	6 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	13mm x 13mm	0.5mm	Discrete	*	
88AP270MA2-BGO2C416	416MHz	6 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	13mm x 13mm	0.5mm	Discrete	*	

*Parts available in temperature range -25C to 85C.

PXA Series

Application Processors

	Frequency	Device Support	Boot Configuration	Security Support	I/O Voltage	Software	Package Size	Ball Pitch	Package Type	I-Temp*	Special Note
88AP270MA2-BGO2C520	520MHz	6 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	13mm x 13mm	0.5mm	Discrete	*	
88AP270MA2-BGO2C624	624MHz	6 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	13mm x 13mm	0.5mm	Discrete	*	
88AP270MA2-BHE1C312	312MHz	6 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	23mm x 23mm	1.0mm	Discrete	*	
88AP270MA2-BHE1E312 (Extended Temp)	312MHz	6 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	23mm x 23mm	1.0mm	Discrete	Yes	
88AP270MA2-BHE1C416	416MHz	6 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	23mm x 23mm	1.0mm	Discrete	*	
88AP270MA2-BHE1E416 (Extended Temp)	416MHz	6 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	23mm x 23mm	1.0mm	Discrete	Yes	
88AP270MA2-BHE1C520	520MHz	6 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	23mm x 23mm	1.0mm	Discrete	*	
88AP270MA2-BHE1C624	624MHz	6 chip selects	x16 NOR	No	1.8v - 3.3v	Linux, Windows® CE, Windows® Mobile	23mm x 23mm	1.0mm	Discrete	*	

*Parts available in temperature range -25C to 85C.

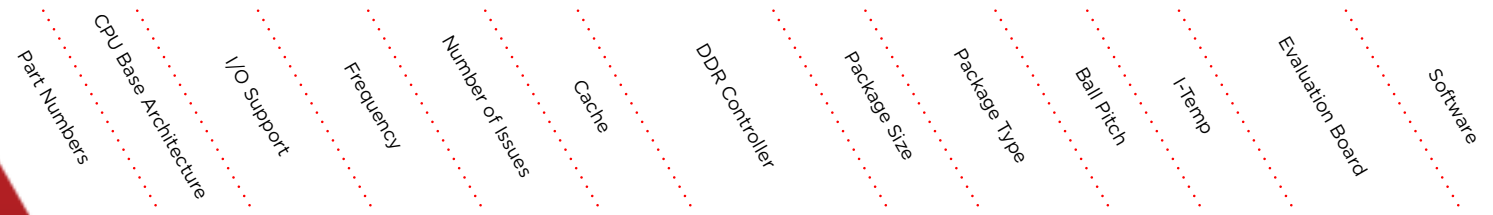
Pantheon and PXA Series

Marvell Semiconductor provides the PXA family of cellular FFOS platform solutions for the EDGE and 3G protocols. Marvell's highly integrated cellular products lead the industry with high-tier multi-media FFOS performance at mid-tier BOM pricing.

Please contact your Marvell field sales office for more details on the PXA family of cellular products.

ARMADA Series

Embedded Processors



ARMADA 300 Family

88F6282 High-performance CPU	88F6282	ARM®v5TE Single Core	2 x GbE, 2 x PCIe (x1), 1 x USB, 2 x UART, 2 x SATA, Native NAND, SPI	1.2GHz, 1.6GHz, 2.0GHz	Single-Issue	L1: 16KB-I, 16KB-D; L2: 256KB unified	16-bit, DDR3-1066, DDR2-800	15mm x 15mm	304-HFCBGA	0.65mm		DB-88F6282-A0, RD-88F6282-A0	u-boot, Linux, vxWorks and others
88F6283 Low-power CPU	88F6283	ARM®v5TE Single Core	2 x GbE, 2 x PCIe (x1), 1 x USB, 2 x UART, 2 x SATA, Native NAND, SPI	600MHz, 800MHz, 1.0GHz	Single-Issue	L1: 16KB-I, 16KB-D; L2: 256KB unified	16-bit, DDR3-1066, DDR2-800	15mm x 15mm	304-FCBGA	0.65mm		DB-88F6282-A0, RD-88F6282-A0	u-boot, Linux, vxWorks and others

Armada XP

MV78230	MV78230	ARM®v7 Dual Core	3 x GbE, 2 x PCIe 2.0 2 x PCIe 2.0 (1 x4 or 4 x1 and 1 x1), 3 x USB, 4 x UART, 2 x SATA, 8/16 bit Device bus	1.06GHz, 1.2GHz, 1.33GHz, 1.6GHz	Dual-Issue	L1: 32KB-I, 32KB-D; L2: 1MB unified	32bit ECC DDR3/L-1600 with ECC	23mm x 23mm	732-FCBGA	0.65mm		DB-MV784MP-GP	u-boot, Linux, vxWorks and others
MV78260	MV78260	ARM®v7 Dual Core	4 x GbE, 3 x PCIe 2.0 (2 x4 or 4 x1, 1 x4/x1), 3 x USB, 4 x UART, 2 x SATA, 8/16/32 bit Device bus	1.06GHz, 1.2GHz, 1.33GHz, 1.6GHz	Dual-Issue	L1: 32KB-I, 32KB-D; L2: 1MB unified	32/64bit ECC DDR3/L-1600 with ECC	23mm x 23mm	732-FCBGA	0.65mm		DB-MV784MP-GP	u-boot, Linux, vxWorks and others
MV78460	MV78460	ARM®v7 Quad Core	4 x GbE, 4 x PCIe 2.0 (2 x4 or 4 x1 and 2x4/x1), 3 x USB, 4 x UART, 2 x SATA, 8/16/32 bit Device bus	1.2GHz, 1.33GHz, 1.6GHz	Dual-Issue	L1: 32KB-I, 32KB-D; L2: 2MB unified	32/64bit ECC DDR3/L-1600 with ECC	23mm x 23mm	732-FCBGA	0.65mm		DB-MV784MP-GP	u-boot, Linux, vxWorks and others

ARMADA Series

Embedded Processors

Part Numbers
 CPU Base Architecture
 I/O Support
 Frequency
 Number of Issues
 Cache
 DDR Controller
 Package Size
 Package Type
 Ball Pitch
 I-Temp
 Evaluation Board
 Software

Armada 375													
88F6720	88F6720	ARMv7 Cortex A9 Dual Core with NEON	2 x GbE, 2 x PCIe 2.0 x1, 1 x USB3/USB2 and 1 x USB2, 2 x UART, 2 x SATA, 8/16 bit Device bus	800MHz, 1.0GHz	Dual-Issue	L1: 32KB-I, 32KB-D; L2: 256KB unified	16/32bit ECC DDR3/L1066	19mm x 19mm	511-TFBGA	0.65mm	Yes	DB-88F6720-Z1	u-boot, Linux, vxWorks and others
Armada 370													
88F6W11	88F6W11	ARMv7 Single Core	2 x GbE, 2 x PCIe 2.0 x1, 2 x USB, 2 x UART	800MHz, 1.0GHz and 1.2GHz	Dual-Issue	L1: 32KB-I, 32KB-D; L2: 256KB unified	16 bit DDR2-600/DDR3-1200 with ECC	19mm x19mm	286-HSBGA	1mm	Yes	RD-88FA370-A1, DB-88F6710-DDR3-A1	u-boot, Linux, vxWorks and others
88F6707	88F6707	ARMv7 Single Core	2 x GbE, 2 x PCIe 2.0 x1, 2 x USB, 2 x UART, 2 x SATA	800MHz, 1.0GHz and 1.2GHz	Dual-Issue	L1: 32KB-I, 32KB-D; L2: 256KB unified	16 bit DDR2-600/DDR3-1200 with ECC	19mm x19mm	286-HSBGA	1mm	Yes	RD-88FA370-A1, DB-88F6710-DDR3-A1	u-boot, Linux, vxWorks and others
88F6710	88F6710	ARMv7 Single Core	2 x GbE, 2 x PCIe 2.0 x1, 2 x USB, 2 x UART, 2 x SATA, 8/16 bit Device bus	1.2GHz	Dual-Issue	L1: 32KB-I, 32KB-D; L2: 256KB unified	16 bit DDR2-600/DDR3-1200 with ECC	19mm x19mm	286-HSBGA	1mm	Yes	RD-88FA370-A1, DB-88F6710-DDR3-A1	u-boot, Linux, vxWorks and others

DISCOVERY INNOVATION Series

Embedded Processors

Part Numbers	CPU Base Architecture	I/O Support	Frequency	Number of Issues	Cache	DDR Controller	Package Size	Package Type	Ball Pitch	I-Temp	Evaluation Board	Software
MV78200 SoC with Dual-Core Dual-Issue Marvell CPU	ARM®v5T E Dual Core	4 x GbE, 2 x PCIe (1 x4 or 4 x1), 3 x USB, 4 x UART, 2 x SATA, 32 bit Device bus	800MHz, 1.0GHz	Dual-Issue w/FPU	L1: 32KB-I, 32KB-D per core; L2: 512KB unified per core	32/64-bit DDR2-800 with ECC	27mm x 27mm	655-FCBGA	1.0mm	Yes	DB-MV78200-A1	u-boot, Linux, vxWorks and others
MV78100 SoC with Dual-Core Dual-Issue Marvell CPU	ARM®v5T E Single Core	2 x GbE, 2 x PCIe (1 x4 or 4 x1) (1 x1), 3 x USB, 4 x UART, 1 x SATA, 32 bit Device bus	800MHz, 1.0GHz, 1.2GHz	Dual-Issue w/FPU	L1: 32KB-I, 32KB-D; L2: 512KB unified	32/64-bit DDR2-800 with ECC	27mm x 27mm	655-FCBGA	1.0mm	Yes	DB-MV78100-A1	u-boot, Linux, vxWorks and others
MV76100 SoC with Dual-Core Dual-Issue Marvell CPU	ARM®v5T E Single Core	2 x GbE, 2 x PCIe (1 x4 or 4 x1) (1 x1), 3 x USB, 4 x UART, 1 x SATA, 32 bit Device bus	600MHz, 800MHz	Dual-Issue w/FPU	L1: 32KB-I, 32KB-D; L2: 256KB unified	32-bit DDR2-800 with ECC	27mm x 27mm	655-FCBGA	1.0mm		DB-MV76100-A1	u-boot, Linux, vxWorks and others

KIRKWOOD™ Series

Embedded Processors

Part Numbers	CPU Base Architecture	I/O Support	Frequency	Number of Issues	Cache	DDR Controller	Package Size	Package Type	Ball Pitch	I-Temp	Evaluation Board	Software
88F6281 SoC with Dual-Core Dual-Issue Marvell CPU	ARM®v5TE Single Core	PCIe (x1), 2 x GbE, 1 x USB2.0, 2 x SATA, 2 x UART, 8 bit Device bus	800MHz, 1.0GHz, 1.2GHz	Single-Issue	L1: 16KB-I, 16KB-D; L2: 256KB unified	16-bit DD R2-800	19mm x 19mm	288-HSBGA	1.0mm		RD-88F6281-A-BGA	u-boot, Linux, vxWorks and others
88F6192 SoC with Dual-Core Dual-Issue Marvell CPU	ARM®v5TE Single Core	PCIe (x1), 2 x GbE, 1 x USB2.0, 2 x SATA, 2 x UART, 8 bit Device bus	600MHz, 800MHz	Single-Issue	L1: 16KB-I, 16KB-D; L2: 256KB unified	16-bit DD R2-400	24mm x 24mm	216-LQFP	0.4mm		RD-88F6192-A-QFP	u-boot, Linux, vxWorks and others
88F6702	ARM®v5TE Single Core	PCIe (x1), 2 x GbE, 1 x USB2.0, 2 x SATA, 2 x UART, 8 bit Device bus	1GHz	Single-Issue	L1: 16KB-I, 16KB-D; L2: 256KB unified	16-bit DD R2-400	24mm x 24mm	216-LQFP	0.4mm		DB-88F6702-A1	u-boot, Linux, vxWorks and others

YUKON® Series

ETHERNET CONTROLLERS

Ordering Part Numbers
Media Support
Bus Interface
Integrated On Chip Buffer
Package Size
Package Type
I-Temp
Software
Boot-ROM Support
Virtual Cable Tester Support

Yukon FE 88E8040 PCI Express Fast Ethernet Controller	88E8040-A0-NNB2-C000	10/100 BASE-T Copper	x1 PCI Express	3KB Rx 2KB Tx RAM	7mm x 7mm	48QFN	No	Drivers- Windows® XP/2003, Windows®7 and Vista/Server 2008 and Linux	Yes	Yes
Yukon FE 88E8040 PCI Express Fast Ethernet Controller	88E8040-A0-NNC2-C000	10/100 BASE-T Copper	x1 PCI Express	3KB Rx 2KB Tx RAM	9mm x 9mm	64QFN	No	Drivers- Windows® XP/2003, Windows®7 and Vista/Server 2008 and Linux	Yes	Yes
Yukon Ultra II 88E8057 PCI Express Gigabit Ethernet Controller	88E8057-A0-NNB2-C000	10/100/1000 BASE-T Copper	x1 PCI Express	16KB Rx 10KB Tx RAM	7mm x 7mm	48QFN	No	Drivers- Windows® XP/2003, Windows®7 and Vista/Server 2008 and Linux	Yes	Yes
Yukon Ultra II 88E8057 PCI Express Gigabit Ethernet Controller	88E8057-A0-NNC2-C000	10/100/1000 BASE-T Copper	x1 PCI Express	16KB Rx 10KB Tx RAM	9mm x 9mm	64QFN	No	Drivers- Windows® XP/2003, Windows®7 and Vista/Server 2008 and Linux	Yes	Yes
Yukon Ultra II 88E8057 PCI Express Gigabit Ethernet Controller	88E8057-A0-NNC2-1000	10/100/1000 BASE-T Copper	x1 PCI Express	16KB Rx 10KB Tx RAM	9mm x 9mm	64QFN	Yes	Drivers- Windows® XP/2003, Windows®7 and Vista/Server 2008 and Linux	Yes	Yes
Yukon Optima 88E8059 PCI Express Gigabit Ethernet Controller with AVB	88E8059-A0-NNB2-C000	10/100/1000 BASE-T Copper	x1 PCI Express	16KB Rx 10KB Tx RAM	7mm x 7mm	48QFN	No	Drivers- Windows® XP/2003, Windows®7 and Vista/Server 2008 and Linux	Yes	Yes
Yukon Optima 88E8059 PCI Express Gigabit Ethernet Controller with AVB	88E8059-A0-NNC2-C000	10/100/1000 BASE-T Copper	x1 PCI Express	16KB Rx 10KB Tx RAM	9mm x 9mm	64QFN	No	Drivers- Windows® XP/2003, Windows®7 and Vista/Server 2008 and Linux	Yes	Yes

LINK STREET® Series

Gateways

CPU
Memory
Port Configuration
Evaluation Board
Cache
GPIO
MAC Size
Power
Package Size
Package Type
Priority, 4 Queues per Port
QoS, IEEE 802.1p
VLANs Supported
IEEE 802.1Q Dynamic
Tree Support
IEEE 802.1D Spanning
Tree Support
I-Temp

	CPU	Memory	Port Configuration	Evaluation Board	Cache	GPIO	MAC Size	Power	Package Size	Package Type	Priority, 4 Queues per Port	QoS, IEEE 802.1p	VLANs Supported	IEEE 802.1Q Dynamic Tree Support	IEEE 802.1D Spanning Tree Support	I-Temp
Link Street 88E6218 6-Port FE Gateway Router	150MHz ARM®9 CPU	16/32-bit SDRAM	5 FE PHYs, 1 MII, 1 UART, 1 JTAG	RD-88E6218-SD-1	I&D 8K/8K 4-way	16	1K	2.25W	24mm x 24mm	216-QFP	Yes	No	Yes			
Link Street 88E6218R 5-Port FE Gateway Router	133MHz ARM®9 CPU	16-bit SDRAM	5 FE PHYs, 1 UART, 1 JTAG	DB1-88E6218R-1	I&D 8K/8K 4-way	9	1K	2.25W	14mm x 20mm	128-QFP	Yes	No	Yes			
Link Street 88E7251 6-Port FE AVB Gateway Router	400MHz ARM®9 CPU	8-bit DDR2/DDR3	5 FE PHYs, 1 MII, 1 UART, 1 JTAG, USB, SDIO, I2S/TDM Audio	RD1-88E7251-1	I&D 16K/16K 4-way	16	1K	1.0W	14mm x 20mm	128-QFP	Yes	64	Yes			
Link Street 88E7221	400MHz ARM®9 CPU	16-bit DDR2/DDR3	2 FE PHYs, 1 MII, 1 UART, 1 JTAG, USB, SDIO, I2S/TDM Audio	RD1-88E7221-1	I&D 16K/16K 4-way	16	1K	0.7W	14mm x 20mm	128-QFP	Yes	64	Yes			

LED Drivers

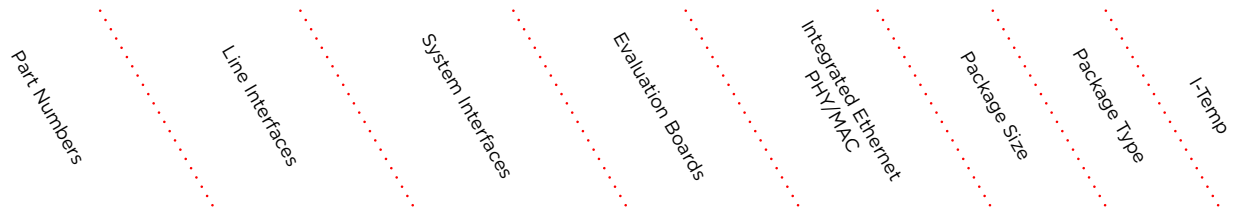
LED Lighting

Part Numbers
Topology
Power Factor Correction
Total Harmonic Distortion
Input Voltage Range
Output Power
Switching Frequency
Dimming
Other Features
Package Type

88EM8082	88EM8082A1-SAG2C000	AC/DC Single-stage flyback LED Driver	0.99	<10%	Universal Input	0 to 150W (w/ external FET)	120kHz	PWM compatible	OCP, OVP, OTP	8-pin SOIC
88EM8042	88EM8042A1-SAG2C000	AC/DC Single-stage flyback Contant Voltage offline Controller	0.99	<20%	Universal Input	0 to 150W (w/ external FET)	120kHz	PWM compatible	OCP, OVP, OTP	8-pin SOIC
88EM8801	88EM8801B0-SAG2C000	2- channel DC/DC Buck PWM Dimming LED Driver	NA	NA	10-40VDC	0-20W	200 to 800kHz	0-10V, I2C, PWM	Two LED channel color mixing, OVP, OCP, OTP	28-pin 4x4 QFN
88EM8183	88EM8183A0-SAE2C000	Triac Dimmable Primary Side Regulated AC/DC flyback LED Driver	0.95	<20%	Low Line: (100-120) +/--15%, High Line: (220-240) +/--15%	0-100W	90KHz to 220kHz	TRIAC	Valley switching, OTP, OVP, Short circuit protection and open LED string protection	8-pin SOIC-EP
88EM8182	88EM8182A0-SAE2C000-AL00	Non-Dimmable Primary Side Regulated AC/DC Flyback LED Driver	0.95	<20%	Universal Input	0-100W	90KHz to 220kHz	Non-dimmable	Valley switching, OTP, OVP, Short circuit protection and open LED string protection	8-pin SOIC-EP

XELERATED® NPU

Network Processors



X11 NPU Series								
Xelerated X11-D240	98NP0240C2-BPT-C000	24 SGMII, 4 XAUI	2 SPI-4.2	XEL-13011-2, XEL-13012-2	24 GE, 4 10GE	40mm x 40mm	HFCBGA	No
Xelerated X11-D240 Lead Free	98NP0240C2-BPT2C000	24 SGMII, 4 XAUI	2 SPI-4.2	XEL-13011-2, XEL-13012-2	24 GE, 4 10GE	40mm x 40mm	HFCBGA	No
HX NPU Series								
Xelerated HX320 100 Gbps Carrier Ethernet Network Processor	98HX0320B2-BPR-C000	48 SGMII, QSGMII, 12 XAUI, 3 Interlaken	Interlaken XAUI	XEL-13020-1, XEL-13020-2	48 GE (16 2.5GE), 12 10GE	45mm x 45mm	HFCBGA	No
Xelerated HX330 100 Gbps Carrier Ethernet Network Processor with integrated Traffic Manager	98HX0330B2-BPR-C000	48 SGMII, QSGMII, 12 XAUI, 3 Interlaken	Interlaken XAUI	XEL-13020-1, XEL-13020-2	48 GE (16 2.5GE), 12 10GE	45mm x 45mm	HFCBGA	No
Xelerated HX326 100 Gbps Carrier Ethernet Network Processor for 100GE/OTU 4 applications	98HX0326B2-BPR-C000	48 SGMII, QSGMII, 12 XAUI, 3 Interlaken	Interlaken, 100G clear-channel XAUI	XEL-13020-1, XEL-13020-2	48 GE (16 2.5GE), 12 10GE	45mm x 45mm	HFCBGA	No
Xelerated HX336 100 Gbps Carrier Ethernet Network Processor with integrated Traffic Manager for 100GE/OTU4 applications	98HX0336B2-BPR-C000	48 SGMII, QSGMII, 12 XAUI, 3 Interlaken	Interlaken, 100G clear-channel XAUI	XEL-13020-1, XEL-13020-2	48 GE (16 2.5GE), 12 10GE	45mm x 45mm	HFCBGA	No
AX Programmable Ethernet Switches								
Xelerated AX210 Programmable Ethernet Switch	98AX0210B2-BPS2C000	32 SGMII, QSGMII, 10 XAUI, 2 Interlaken	Interlaken XAUI	XEL-13020	32 GE (16 2.5GE), 12 10GE	40mm x 40mm	HFCBGA	Option
Xelerated AX240 Programmable Ethernet Switch with integrated Traffic Manager	98AX0240B2-BPS2C000	32 SGMII, QSGMII, 10 XAUI, 2 Interlaken	Interlaken XAUI	XEL-13020	32 GE (16 2.5GE), 12 10GE	40mm x 40mm	HFCBGA	Option
Xelerated AX310 Programmable Ethernet Switch	98AX0310B2-BPS2C000	48 SGMII, QSGMII, 12 XAUI, 2 Interlaken	Interlaken XAUI	XEL-13020	48 GE (16 2.5GE), 12 10GE	40mm x 40mm	HFCBGA	Option

XELERATED® NPU

Network Processors

Part Numbers
 Line Interfaces
 System Interfaces
 Evaluation Boards
 Integrated Ethernet PHY/MAC
 Package Size
 Package Type
 I-Temp

	Part Numbers	Line Interfaces	System Interfaces	Evaluation Boards	Integrated Ethernet PHY/MAC	Package Size	Package Type	I-Temp
Xelerated AX340 Programmable Ethernet Switch with integrated Traffic Manager	98AX0340B2-BPS2C000	48 SGMII, QSGMII, 12 XAU1, 2 Interlaken	Interlaken XAU1	XEL-13020	48 GE (16 2.5GE), 12 10GE	40mm x 40mm	HFCBGA	Option
Xelerated AX210 Industrial Grade	98AX0210B2-BPS2I000	32 SGMII, QSGMII, 10 XAU1, 2 Interlaken	Interlaken XAU1	XEL-13020	32 GE (16 2.5GE), 12 10GE	40mm x 40mm	HFCBGA	Yes
Xelerated AX240 Industrial Grade	98AX0240B2-BPS2I000	32 SGMII, QSGMII, 10 XAU1, 2 Interlaken	Interlaken XAU1	XEL-13020	32 GE (16 2.5GE), 12 10GE	40mm x 40mm	HFCBGA	Yes
Xelerated AX310 Industrial Grade	98AX0310B2-BPS2I000	48 SGMII, QSGMII, 12 XAU1, 2 Interlaken	Interlaken XAU1	XEL-13020	48 GE (16 2.5GE), 12 10GE	40mm x 40mm	HFCBGA	Yes
Xelerated AX340 Industrial Grade	98AX0340B2-BPS2I000	48 SGMII, QSGMII, 12 XAU1, 2 Interlaken	Interlaken XAU1	XEL-13020	48 GE (16 2.5GE), 12 10GE	40mm x 40mm	HFCBGA	Yes

PCI Express to PCI Bridges

PCI Bridges

	Part Number	Lanes	Max Payload Size	Bus Interface	PCI Bus Type	Reverse Mode	PCI Masters	GPIO	Power	Package Size	Package Type	I-Temp	Evaluation Board
88SB2211 PCI Express to PCI Bridge	88SB2211	1	128 Bytes	PCI-e to PCI	32-bit, 33MHz	Yes	5	8	0.7W	14mm x 20mm	128 LQFP		DB-88SB2211-B-PCI2PEX DB-88SB2211-B-PEX2PCI

DC-DC REGULATORS
Series 1

Power Management		Part Numbers	I _{out} (Max)	I _{Q 3} (I _{out} = 0)	V _{in}	TOP FET R _{DS(ON)} @5.0V	BOT FET R _{DS(ON)} @5.0V	Package Type	Features	I-Temp*
Synchronous Buck Regulator										
MVPG16	MVPG16-NAE1	1.0A	1.0mA	3.0V to 5.5V	120m	70m	3mm x 4mm DFN-12	1MHz, Shutdown	Yes	
88PG839	88PG839-NAE2	2.0A	25uA	2.7V to 5.5V	120m	80m	3mm x 4mm DFN-12	2MHz, Enable, PGood, OVP, SS	Yes	
MVPG31	MVPG31-NAE1	2.0A	1.0mA	3.0V to 5.5V	120m	70m	3mm x 4mm DFN-12	1MHz, Shutdown	Yes	
88PG878	88PG878-NFB1	5.0A	1.2mA	3.0V to 5.5V	9.5m	7.5m	3mm x 4mm QFN-18	1MHz, Enable, POR, OVP, +/-3% DC Accuracy	Yes	
88PH8101	88PH8101-UBB1	Up to 20A	2.5mA	4.5V to 16V	External FET	External FET	TSSOP-16	500kHz, Enable, PGood, OVP, SS	Yes	
88PH845	88PH845-NFB1	3.0A	2.7mA	4.5V to 16V	70m	35m	3mm x 4mm QFN-18	500kHz, Enable, PGood, OVP, SS	Yes	

*Specifications over the -40C to 85C operating temperature ranges are assured by design, characterization, and correlation with statistical process controls.

DC-DC REGULATORS
Series 2

Power Management		Part Numbers	I _{out} (Max)	I _{Q 3} (I _{out} = 0)	V _{in}	TOP FET R _{DS(ON)} @5.0V	BOT FET R _{DS(ON)} @5.0V	Package Type	Features	I-Temp*
Synchronous Buck Regulator LDO										
MVPG15x	MVPG15x-NAE1	1.0A	1.7mA	3.0V to 5.5V	120m	70m	3mm x 4mm DFN-12	LDO x Opt: B=3.3V, E = 2.5V 1MHz, Shutdown	Yes	

*Specifications over the -40C to 85C operating temperature ranges are assured by design, characterization, and correlation with statistical process controls.

DC-DC REGULATORS
Series 2

Power Management	Part Numbers	I _{out} (Max)	I _{Q3} (I _{out} = 0)	V _{in}	TOP FET RDS(ON) @5.0V	BOT FET RDS(ON) @5.0V	Package Type	Features	I-Temp*
MVPG30x	MVPG30x-NAE1	2.0A	1.7mA	3.0V to 5.5V	120m	70m	3mm x 4mm DFN-12	LDO x Opt: B=3.3V, E = 2.5V 1MHz, Shutdown	Yes
88PG8218	88PG8218-NAE2	1.2A	220uA	2.7V to 5.5V	150m	100m	3mm x 4mm DFN-12	250mA LDO, LDO output up to 5V, SS, Enable, 2.0MHz	Yes
88PG8318 (2 LDO)	88PG8318-NAE2	1.2A	85uA	2.7V to 5.5V	150m	100m	3mm x 4mm DFN-12	2 x 150mA LDO, LDO output 1.8V/2.5V, SS, Enable, 2.0MHz	Yes
88PW889	88PW889-CBD2	700mA	30uA	2.7V to 5.5V	150m	100m	WLCSP	100mA LDO, 2.0 MHz, for Mobile applications	Yes
88PG8111	88PG8111-NXS2	500mA	25uA	2.7V to 5.5V	320m	150m	3mm x 3mm QFN-20	50mA LDO, 2.7 MHz, for Mobile applications	Yes

*Specifications over the -40C to 85C operating temperature ranges are assured by design, characterization, and correlation with statistical process controls.

DC-DC REGULATORS
Series 3

Power Management	Part Numbers	I _{out} (Max)	I _{Q3} (I _{out} = 0)	V _{in}	TOP FET RDS(ON) @5.0V	BOT FET RDS(ON) @5.0V	Package Type	Features	I-Temp*
Dual Synchronous Buck Regulator									
88PG865	88PG865-CBK2	3.0A/1.0A	75uA	2.7V to 4.8V	30m/68m @3.6V	22m/60m @3.6V	WLCSP-18, 0.4mm pitch	3.2MHz, +/-2% DC Accuracy, I2C Interface, Enable, Soft Start, POR, OVP	Yes
88PG867x	88PG867x-NNY2	3.0A/1.0A	75uA	2.7V to 5.5V	60m/125m	42m/110m	3mm x 4mm QFN-24	2.2MHz, +/-3% DC Accuracy, I2C Interface, Enable, Soft Start, POR, OVP	Yes
88PG868	88PG868-NNY2	3.0A/1.0A	75uA	2.7V to 5.5V	60m/125m	42m/110m	3mm x 4mm QFN-24	1.1MHz, +/-3% DC Accuracy, I2C Interface, Enable, Soft Start, POR, OVP	Yes

*Specifications over the -40C to 85C operating temperature ranges are assured by design, characterization, and correlation with statistical process controls.

DC-DC REGULATORS
Series 3

Power Management

Part Numbers
I_{out} (Max)
I_{Q3} (I_{out} = 0)
V_{in}
TOP FET R_{DS(ON)} @5.0V
BOT FET R_{DS(ON)} @5.0V
Package Type
Features
I-Temp*

88PG8211 (2 Buck LDO)	88PG8211-NXS2	500mA	25uA	2.7V to 5.5V	320m @3.6V	150m @3.6V	3mm x 3mm QFN-20	50mA LDO, 2.7 MHz	Yes
88PG821A (2 Buck LDO)	88PG821A-NXS2	500mA	25uA	2.7V to 5.5V	320m @3.6V	150m @3.6V	3mm x 3mm QFN-20	50mA LDO, 2.7 MHz	Yes

*Specifications over the -40C to 85C operating temperature ranges are assured by design, characterization, and correlation with statistical process controls.

BackLight

Power Management

Part Numbers
V_{in}
Boost V_{out} (max)
WLED BL I_{out} (max)
Number of WLED Strings
Package Type
Other Features
I-Temp

Backlight Driver IC									
88PM8606	88PM8606-NNY2	3V to 4V	24.3V	60mA	3	3mm x 4mm QFN-24	RGB LEDs, Linear Regulator, PWM Vibrator	Yes	

Audio Codec and Amplifiers

Power Management

Part Numbers
Sampling Rate
Number of MIC Inputs
Line-In
Stereo Headphone Amps
Earpiece Amp
Loudspeaker Amp
ADC/DAC
Digital Audio Interface
Package Type
Other Features
I-Temp

Audio Codec												
88CE156	88CE156-NAJ2	8kHz - 96kHz	2 Analog MICs	Stereo	Class-AB, 20mW @ 16	N/A	Class-AB, Stereo 1W @ 8	24-bit Sigma Delta	Single I2S/PDM	5mm x 5mm-32 QFN	5-Band Equalizer, Click and Pop Suppression	Yes
88PM805	88PM805-BPH2	8kHz - 48kHz	2 Analog or 4 Digital MICs	Stereo	Class-G, 53mW @ 16	Class-AB 40mW @ 32	Class-D, Mono 1W @ 8	24-bit Sigma Delta	Dual I2S/PDM	6.5mm x 6.5mm BGA-66, 0.65mm pitch	PDM interface for external Loudspeaker, 5-Band Equalizer, Click and Pop Suppression, Ultra Low Power (6.5mW) Audio Playback	No

Highly Integrated PMIC

Power Management

Part Numbers
Vin
Number of Bucks
Number of LDOs
Max Iout (Buck/LDO)
Audio Codec
Package Type
Additional Features
I-Temp

PMIC (Mobile and Tablets)										
88PM8607	88PM8607-BIX2, 88PG8607-BKG2	2.7V to 4.8V	3	15	1.5A / 300mA	HiFi Stereo Audio Codec with Headphone Amps, Earpiece Amp, 1W Loudspeaker Amp	7mm x 7mm BGA-169 (0.4mm pitch), 10mm x 10mm BGA-160 (0.65mm pitch)	Li-Ion Battery Charger, PWM Vibrator, On Key, GPADCs, Watchdog Timer	No	
88PM8609	88PM8609-CBK2	2.7V to 4.8V	3	10	1.5A / 200mA	N/A	WLCS-56, 0.4mm pitch	RTC, GPADCs, Watchdog Timer	No	
88PM812	88PM812-BNK2, 88PM812-BRF2	2.7V to 4.8V	5	19	3A / 300mA	HiFi Stereo Audio Codec with Headphone Amps, Earpiece Amp, 1W Loudspeaker Amp	6mm x 7mm BGA-171 (0.4mm pitch), 7mm x 8.5mm BGA-171 (0.5mm pitch)	RTC, GPADCs, Watchdog Timer, PWM Vibrator, Fuel Gauge (Software)	No	
88PM800	88PM800-BPI2	2.7V to 4.8V	5	19	3A / 300mA	N/A	8.5mm x 8.0mm BGA-112 (0.65mm pitch)	RTC, GPADCs, Watchdog Timer, PWM Vibrator, Fuel Gauge (Software)	No	
88PM801	88PM801-CBK2	2.7V to 4.8V	5	6	2A / 300mA	N/A	WLCS-57, 0.4mm pitch	DVCs, Analog Tracking Buck Control, RTC, GPADCs	No	

SATA Storage Controllers

Storage Switching

Part Numbers
Port Count
Bus Type
Queuing
Port Multiplier Support
Flash
Marvell Firmware
Power
Package Size
Package Type
I-Temp
Ball Pitch
Evaluation Board Part Number

88SE6101 PCIe x1 to 1 PATA Controller	88SE6101	1P	PCI-Express x1	Tag and Native Command	No	No	N/A	600mW	9mm x 9mm	64-QFN		N/A	DB-88SE6101
88SE9345	88SE9345	4S	PCI-Express 2.0x4	Tag and Native Command	Yes	Flash BIOS I/F	N/A	-5W	19mm x 19mm	481-TFBGA	No	0.8mm	EV1-88SE9345
88SE9230	88SE9230	4S	PCI-Express 2.0x2	Tag and Native Command	FIS-Based	Flash BIOS I/F	HW RAID 0/1	1w	9mmx9mm	76-QFN	No	0.4mm	EV1-88SE9230
88SE9235	88SE9235	4S	PCI-Express 2.0x2	Tag and Native Command	FIS-Based	Flash BIOS I/F	N/A	1w	9mm x 9mm	76-QFN	No	0.4mm	EV1-88SE9235
88SE9215	88SE9215	4S	PCI-Express 2.0x1	Tag and Native Command	FIS-Based	Flash BIOS I/F	N/A	1w	100 Gbps, 150 Mpps	76-QFN	No	0.4mm	EV1-88SE9215
88SE9170	88SE9170	2S	PCI Express 2.0 x1	Tag and Native Command	FIS-Based	Flash BIOS I/F	N/A	0.8w	7mmx7mm	56-QFN	Yes	0.4mm	EV1-88SE9170
88SE9172	88SE9172	2S	PCI Express 2.0 x1	Tag and Native Command	FIS-Based	Flash BIOS I/F	N/A	0.8w	7mmx7mm	56-QFN	Yes	0.4mm	EV1-88SE9172
88SE9182	88SE9182	2S	PCI-Express 2.0x2	Tag and Native Command	FIS-Based	Flash BIOS I/F	N/A	0.8w	7mmx7mm	56-QFN	Yes	0.4mm	EV1-88SE9182

SAS/SATA Storage Controllers

Storage Switching

	Part Numbers	Port Count	Bus Type	Queuing	SAS Expander Support	Flash	Target Mode	Marvell RAID Software	Power	Package Size	Package Type	I-Temp	Ball Pitch	Evaluation Board Part Number
88RC9580	88RC9580	8	PCI-Express 2.0 x8	Tag and Native Command	Yes	Flash BIOS I/F	Yes	N/A	-8W	27mmx 27mm	676-FCBGA		1.0mm	DB1-88RC9580
88SE9548	88RC9548	4	PCI-Express 2.0 x8	Tag and Native Command	Yes	Flash BIOS I/F	Yes	N/A	-7W	27mm x 27mm	676-FCBGA		1.0mm	DB1-88RC9548
88SE9485 PCIe 2.0 x8 to 8 SAS/SATA 6Gb/s Ports RAID Controller	88SE9485	8	PCI-Express 2.0 x8	Tag and Native Command	Yes	Flash BIOS I/F	No	N/A	-6W	23mm x 23mm	484-HSBGA		1.0mm	HA2VA6800m-RC1Vxx
88SE9445 PCIe 2.0 x4 to 4 SAS/SATA 6Gb/s Ports RAID Controller	88SE9445	4	PCI-Express 2.0 x4	Tag and Native Command	Yes	Flash BIOS I/F	Yes	N/A	-5W	19mm x 19mm	481-TFBGA		0.8mm	EV1-88SE9445

SATA Port Multiplier/Multiplexer

Storage Switching

	Part Numbers	Port Count	Data Rate	Power	Package Size	Package Type	I-Temp	Evaluation Board Part Number
88SM9715	88SM9715	6	SATA 6Gb/s	0.88W	10mm x 10mm	84-QFP		EV1-88SM9715
88SM9705	88SM9705	6	SATA 6Gb/s	0.88W	10mm x 10mm	84-QFP		EV1-88SM9705
88SM4140 1:4 Serial ATA 3Gb/s Port Multiplier	88SM4140	5	SATA 3Gb/s	1.67W	14mm x 14mm	80-LQFP		DB1-88SM4140C1-8087
88SM4021 2:1 Serial ATA Fail-Over Multiplexer	88SM4021	3	SATA 1.5Gb/s	0.88W	9mm x 9mm	48-TQFP		DB-88SM4021

SATA Bridge

Storage Switching

88SA8052
SATA/PATA Bridge

Part Numbers	Port Count	Data Rate	Power	Package Size	Package Type	I-Temp	Evaluation Board Part Number
88SA8052	Host or Device	SATA 3Gb/s to PATA 133	0.25W	9mm x 9mm	64-QFN or TQFP	Yes (QFN)	DB-88SA8052-D, DB-88SA8052-H

SAS to SATA Protocol Converter

Storage Switching

88SF9210
6Gb/s SAS to SATA Protocol Converter

88SF9110
6Gb/s SAS to SATA Protocol Converter

Part Number	SAS Port	SATA port	Data Rate	Internal Flash	Power	Package Size	Package Type	I-Temp	Evaluation Board Part Number
88SF9210	2	2	SAS/SATA 6.0 Gb/s	N/A	1.35W	10mm x 10mm	84-QFN		DB1-88SF9210
88SF9110	2	1	SAS/SATA 6.0 Gb/s	N/A	1.10W	10mm x 10mm	84-QFN		DB1-88SF9110

Link Street® - Fast Ethernet Switches

SOHO Switching

	Number of Ports	Port Configuration	Power	I-Temp	Evaluation Board Part Numbers	Audio Video Bridging/ IEEE 1588	MAC Size	IEEE 802.1Q Dynamic VLANs Supported	Package Size	Package Type	100BASE-FX Support	Priority 4 Queues per Port	QoS IEEE 802.1p	SNMP, RMON Network Management Support	Energy Efficient Ethernet (EEE)
88E6020 4-Port Fast Ethernet Switch	4	2 PHYs 2 MII/RMII	0.3W		DB1-88E6071-1		1K	64	9mm x 9mm	64-QFN	Yes: 1 PHY Port	Yes	Yes	Yes	Yes
88E6031 3-Port Fast Ethernet Switch	3	2 PHYs 1 MII or 1 PHY 2 MII	0.4W		DB-88E6061-1		1K	16	14mm x 20mm	128-QFP	Yes: 1 PHY Port	Yes			
88E6035 3-Port Fast Ethernet Switch	3	2 PHYs 1 MII or 1 PHY 2 MII	0.4W		DB-88E6065-1		1K	64	14mm x 20mm	128-QFP	Yes: 1 PHY Port	Yes	Yes		
88E6060 6-Port Fast Ethernet Switch	6	5 PHYs 1 MII or 4 PHYs 2 MII	0.7W	Yes	DB-88E6060-1		1K	0	14mm x 20mm	128-QFP	Yes: 2 PHY Ports				
88E6061/B 6-Port Fast Ethernet Switch	6	5 PHYs 1 MII or 4 PHYs 2 MII	0.7W	Yes	DB-88E6061-1		1K	16	14mm x 20mm	128-QFP	Yes: 2 PHY Ports	Yes			
88E6063 7-Port Fast Ethernet Switch	7	5 PHYs 2 MII	0.9W	Yes	DB-88E6063-1		2K	16	14mm x 20mm	128-QFP	Yes: 2 PHY Ports	Yes	Yes		
88E6065/B 6-Port Fast Ethernet Switch	6	5 PHYs 1 MII or 4 PHYs 2 MII	0.7W	Yes	DB-88E6065-1		1K	64	14mm x 20mm	128-QFP	Yes: 2 PHY Ports	Yes	Yes		
88E6070 5-Port Fast Ethernet Switch	5	5 PHYs	0.5W		DB1-88E6071-1		1K	64	9mm x 9mm	64-QFN	Yes: 1 PHY Port	Yes			Yes
88E6071 7-Port Fast Ethernet Switch	7	5 PHYs 2 RMII (or 1 MII/ RGMII)	0.5W		DB1-88E6071-1		1K	64	9mm x 9mm	64-QFN	Yes: 1 PHY Port	Yes	Yes	Yes	Yes
88E6083 10-Port Fast Ethernet Switch	10	8 PHYs 2 MII	1.4W	Yes	RD-88E6083-1		2K	16	24mm x 24mm	216-QFP	Yes: 8 PHY Ports	Yes	Yes		

Link Street® - Fast Ethernet Switches

SOHO Switching

	Number of Ports	Port Configuration	Power	I-Temp	Evaluation Board Part Numbers	Audio Video Bridging/ IEEE 1588	MAC Size	IEEE 802.1Q Dynamic VLANs Supported	Package Size	Package Type	100BASE-FX Support	QoS: IEEE 802.1p Priority, 4 Queues per Port	SNMP, RMON Network Management Support	Energy Efficient Ethernet (EEE)
88E6085 10-Port Fast Ethernet Switch	10	8 PHYs 2 MII	1.2W	Yes	DB-88E6085-1		2K	64	20mm x 20mm	176-QFP		Yes	Yes	
88E6220 4-Port Fast Ethernet Switch	4	2 PHYs 2 MII/RMII	0.3W		DB1-88E6250-1	Yes	1K	64	9mm x 9mm	64-QFN	Yes: 1 PHY Port	Yes	Yes	Yes
88E6250 7-Port Fast Ethernet Switch	7	5 PHYs 2 RMII (or 1 MII/RGMII)	0.5W		DB1-88E6250-1	Yes	1K	64	9mm x 9mm	64-QFN	Yes: 1 PHY Port	Yes	Yes	Yes

Link Street® - Fast Gigabit Ethernet Switches

SOHO Switching

	Number of Ports	Port Configuration	Power	I-Temp	Evaluation Board Part Numbers	Audio Video Bridging/ IEEE 1588	MAC Size	IEEE 802.1Q Dynamic VLANs Supported	Package Size	Package Type	100BASE-FX Support	QoS: IEEE 802.1p Priority, 4 Queues per Port	SNMP, RMON Network Management Support	Energy Efficient Ethernet (EEE)
88E6045 4FE+2GE Ethernet Switch	6	4 FE PHYs GMII/SGMII	1.0W		DB-88E6095-8F3GC		1K	64	20mm x 20mm	176-QFP		Yes	Yes	
88E6046 4FE+2GE Ethernet Switch	6	4 FE PHYs GMII/RGMII/SGMII	1.0W	Yes	DB-88E6046-1		1K	64	20mm x 20mm	176-QFP		Yes	Yes	
88E6092/95 8FE+3GE Ethernet Switch	11	8 FE PHYs GMII/SGMII	1.5W	88E6095 only	DB-88E6095-8F3GC		8K	256	20mm x 20mm	176-QFP		Yes	Yes	

Link Street® - Fast Gigabit Ethernet Switches

SOHO Switching

	Number of Ports	Port Configuration	Power	I-Temp	Evaluation Board Part Numbers	Audio Video Bridging/ IEEE 1588	MAC Size	IEEE 802.1Q Dynamic VLANs Supported	Package Size	Package Type	100BASE-FX Support	QoS IEEE 802.1p Priority, 4 Queues per Port	SNMP, RMON Network Management Support	Energy Efficient Ethernet (EEE)
88E6095F 8FE+3GE Ethernet Switch	11	8 FE PHYs GMII/SGMII	1.5W	Yes	DB-88E6095-8F3GC		8K	256	24mm x 24mm	216-QFP	Yes: 8 PHY Ports	Yes	Yes	
88E6096/97 8FE+3GE Ethernet Switch	11	8 FE PHYs GMII/RGMII/SGMII	1.5W	88E6097 only	DB-88E6097-8F3GC		8K	4096	20mm x 20mm	176-QFP		Yes	Yes	
88E6097F 8FE+3GE Ethernet Switch	11	8 FE PHYs GMII/RGMII/SGMII	1.5W	Yes	DB-88E6097-8F3GC		8K	4096	24mm x 24mm	216-QFP	Yes: 8 PHY Ports	Yes	Yes	
88E6240 4FE + 3GE Ethernet Switch with EEE & Sync-E	7	4 FE PHYs 1 GE PHY 1 SerDes 1 RGMII/MII/RMII 1 GMII/RGMII/MII/RMII	1.1W		DB1-88E6240-1	Yes	8K	4096	14mm x 14mm	128-QFP	Yes: SGMII port	Yes	Yes	Yes

Link Street® - Gigabit Ethernet Switches

SOHO Switching

	Number of Ports	Port Configuration	Power	I-Temp	Evaluation Board Part Numbers	Audio Video Bridging/ IEEE 1588	MAC Size	IEEE 802.1Q Dynamic VLANs Supported	Package Size	Package Type	100BASE-FX Support	QoS IEEE 802.1p Priority, 4 Queues per Port	SNMP, RMON Network Management Support	Energy Efficient Ethernet (EEE)
88E6121 3-Port Gigabit Ethernet Switch	3	2 GE PHYs 1 GMII	1.5W	Yes	DB-88E6122-6G		1K	64	14mm x 20mm	128-QFP		Yes	Yes	
88E6122 6-Port Gigabit Ethernet Switch	6	2 GE PHYs 3 SerDes 1 GMII	2.0W	Yes	DB-88E6122-6G		1K	64	14mm x 20mm	128-QFP	Yes: SGMII ports	Yes	Yes	

Link Street® - Gigabit Ethernet Switches

SOHO Switching

	Number of Ports	Port Configuration	Power	I-Temp	Evaluation Board Part Numbers	Audio Video Bridging/ IEEE 1588	MAC Size	IEEE 802.1Q Dynamic VLANs Supported	Package Size	Package Type	100BASE-FX Support	QoS, IEEE 802.1p Priority, 4 Queues per port	SNMP, RMON Network Management Support	Energy Efficient Ethernet (EEE)
88E6131 8-Port Gigabit Ethernet Switch	8	3 GE PHYs 4 SerDes 1 GMII	2.7W	Yes	DB-88E6131-8G		1K	256	20mm x 20mm	144-QFP	Yes: SGMII ports	Yes	Yes	
88E6152/55 6-Port Gigabit Ethernet Switch	6	6 SerDes or 5 SerDes 1 GMII	1.2W		DB-88E6185-10G		8K	256	14mm x 20mm	128-QFP	Yes	Yes	Yes	
88E6161 6-Port Gigabit Ethernet Switch	6	5 GE PHYs 1 GMII/RGMII/ SerDes or 4 GE PHYs 2 GMII/RGMII/ SerDes	2.5W	Yes	DB-88E6161-1		1K	64	24mm x 24mm	216-QFP	Yes: SGMII ports	Yes	Yes	
88E6165 6-Port Gigabit Ethernet Switch	6	5 GE PHYs 1 GMII/RGMII/ SerDes or 4 GE PHYs 2 GMII/RGMII/ SerDes	2.5W	Yes	DB-88E6165-1		8K	4096	24mm x 24mm	216-QFP	Yes: SGMII ports	Yes	Yes	
88E6171R 7-Port Gigabit Ethernet Switch	7	5 GE PHYs 2 RGMII/MII	2.5W		DB1-88E6171R-1		1K	64	14mm x 14mm	128-QFP		Yes	Yes	
88E6171 7-Port Gigabit Ethernet Switch	7	5 GE PHYs 2 GMII/RGMII/ MII	2.5W		DB1-88E6171R-1		1K	64	20mm x 20mm	176-QFP		Yes	Yes	
88E6172 7-Port Gigabit Ethernet Switch with EEE	7	5 GE PHYs 1 RGMII/MII/ RMI 1 GMII/ RGMII/MII/ RMI	2.2W		DB1-88E6176-1		8K	4096	14mm x 14mm	128-QFP		Yes	Yes	Yes
88E6175R 7-Port Gigabit Ethernet Switch	7	5 GE PHYs 2 RGMII/MII	2.5W		DB1-88E6175R-1		8K	4096	14mm x 14mm	128-QFP		Yes	Yes	
88E6175 7-Port Gigabit Ethernet Switch	7	5 GE PHYs 2 GMII/RGMII/ MII	2.5W		DB1-88E6175R-1		8K	4096	20mm x 20mm	176-QFP		Yes	Yes	

Link Street® - Gigabit Ethernet Switches

SOHO Switching

	Number of Ports	Port Configuration	Power	I-Temp	Evaluation Board Part Numbers	Audio Video Bridging/ IEEE 1588	MAC Size	IEEE 802.1Q Dynamic VLANs Supported	Package Size	Package Type	100BASE-FX Support	QoS, IEEE 802.1p Priority, 4 Queues per port	SNMP, RMON Network Management Support	Energy Efficient Ethernet (EEE)
88E6176 7-Port Gigabit Ethernet Switch with EEE	7	5 GE PHYs 1 Serdes 1 RGMII/MII/RMII 1 GMII/RGMII/MII/RMII	2.2W	Yes	DB1-88E6176-1		8K	4096	14mm x 14mm	128-QFP	Yes: SGMII port	Yes	Yes	Yes
88E6182/85 10-Port Gigabit Ethernet Switch	10	10 SerDes or 9 SerDes 1 GMII	1.5W	88E6185 only	DB-88E6185-10G		8K	256	14mm x 20mm	128-QFP		Yes	Yes	
88E6350R 7-Port AVB Gigabit Ethernet Switch	7	5 GE PHYs 2 RGMII/MII	2.5W	Yes	DB1-88E6350R-1	Yes	1K	64	14mm x 14mm	128-QFP		Yes	Yes	
88E6350 7-Port AVB Gigabit Ethernet Switch	7	5 GE PHYs 2 GMII/RGMII/MII	2.5W		DB1-88E6350R-1	Yes	1K	64	20mm x 20mm	176-QFP		Yes	Yes	
88E6351 7-Port AVB Gigabit Ethernet Switch with Sync-E	7	5 GE PHYs 2 GMII/RGMII/MII	2.5W	Yes	DB1-88E6351-1	Yes	8K	4096	20mm x 20mm	176-QFP		Yes	Yes	
88E6352 7-Port AVB Gigabit Ethernet Switch with EEE & Sync-E	7	5 GE PHYs 1 Serdes 1 RGMII/MII/RMII 1 GMII/RGMII/MII/RMII	2.2W	Yes	DB1-88E6352-1	Yes	8K	4096	14mm x 14mm	128-QFP	Yes: SGMII port	Yes	Yes	Yes
88E6123	3	2 GE PHYs 1 GMII/RGMII/MII/SGMII	1.2W		DB-88E6123-1		1K	64	14mm x 20mm	128-QFP	Yes: SGMII port	Yes	Yes	

PRESTERA® DX

Switching

DX Series

Part Numbers
 Port Configuration
 Type
 Evaluation Boards
 Number of Ports
 Package Size
 Package Type
 I-Temp

Prestera-DX107 10-Port Gigabit Ethernet Packet Processor	98DX107-xx-LKJ	10 SGMII	Layer 2/3	DB-DX107-10G, RD-DX107-48F4G	10	14mm x 20mm	128-LQFP	Yes
Prestera-DX160 16-Port Gigabit Ethernet Packet Processor	98DX160-xx	16 SGMII	Layer 2	RD-DX240-24G	16	31mm x 31mm	458-HSBGA	
Prestera-DX167 16-Port Gigabit Ethernet Packet Processor	98DX167-xx	16 SGMII	Layer 2/3	RD-DX247-24G	16	31mm x 31mm	458-HSBGA	Yes
Prestera-DX240 24-Port Gigabit Ethernet Packet Processor	98DX240-xx	24 SGMII	Layer 2	RD-DX240-24G	24	31mm x 31mm	458-HSBGA	
Prestera-DX249 24-Port Gigabit Ethernet with 2 HX Ports Packet Processor	98DX249-xx	24 SGMII, 2 HX	Layer 2	DB-DX249-24G-2HX	26	31mm x 31mm	480-HSBGA	
Prestera-DX253 24-Port Gigabit Ethernet Packet Processor	98DX253-xx	24 SGMII	Layer 2/3	DB-DX273-24G3XG, RD-DX273-48G2XG	24	37.5mm x 37.5mm	788-HSBGA	Yes
Prestera-DX269 24-Port Gigabit Ethernet with 2 HX/HGS Ports Packet Processor	98DX269-xx	24 SGMII, 3 HX/XAUI	Layer 2	DB-DX269-24G-2HX-IB	27	37.5mm x 37.5mm	788-HSBGA	
Prestera-DX273 24-Port Gigabit Ethernet with 3 HGS Ports Packet Processor	98DX273-xx	24 SGMII, 3 XAUI	Layer 2/3	DB-DX273-24G3XG, RD-DX273-48G2XG	27	37.5mm x 37.5mm	788-HSBGA	
Prestera-DX5128 24-Port Gigabit Ethernet with 4 10GE Ports Packet Processor	98DX5128-xx	24 SGMII, 4 XAUI	Layer 3	DB-DX3-6XG-4HGS, RD-DX3-48GE-4HGS	28	35mm x 35mm	1138-FCBGA	-

PRESTERA® DX

Switching

Part Numbers
Port Configuration
Type
Evaluation Boards
Number of Ports
Package Size
Package Type
I-Temp

<p>Presteria-DX8110 10-Port 10Gigabit Ethernet Packet Processor</p>	98DX8110-xx	10 XAUI	Layer 3	DB-DX3-6XG-4HGS, RD-DX3-48GE-4HGS	10	35mm x 35mm	1138-FCBGA	
<p>Presteria-DXx24 24-Port Gigabit Ethernet Packet Processor</p>	98DX324-A0-LKJ2C000, 98DX224-A0-LKJ2C000	6 QSGMII	Layer 2	RD-DX-24G-A RD-DX-22GE2C-A	24	14mm x 20mm	LQFP	No
<p>Presteria-DXx16 16-Port Gigabit Ethernet Packet Processor</p>	98DX316-A0-LKJ2C000, 98DX216-A0-LKJ2C000	4 QSGMII	Layer 2	RD-DX-16UNM	16	14mm x 20mm	LQFP	No
<p>Presteria-DXx08 8-Port Gigabit Ethernet Packet Processor</p>	98DX308-A0-LKJ2C000, 98DX208-A0-LKJ2C000	2 QSGMII	Layer 2	RD-DX-8G-A	8	14mm x 20mm	LQFP	No

PRESTERA® CX

Switching

Part Numbers
Port Configuration
Type
Evaluation Boards
Number of Ports
Package Size
Package Type
I-Temp

CX Series Packet Processors								
<p>Presteria-CX8248</p>	98CX8248	48 RXAUI	L3	RD-CX-48XG	48	40mm x 40mm	HFCBGA	
<p>Presteria-CX8234</p>	98CX8234	32 RXAUI 4 * 40GbE	L3	DB-CX-48XG	32	40mm x 40mm	HFCBGA	

Intelligent Ethernet MAC

Switching

Part Numbers
 Port Configuration
 Number of Ports
 MAC Speed
 Uplink Port
 Jumbo Frames
 Package Size
 # Pins
 Package Type
 I-Temp
 Ball Pitch
 Evaluation Boards

Gigabit Ethernet MAC Controllers

Presteria-MV82104-Cx
 4x1 GE Gigabit Ethernet MAC Controller

MV82104-Cx	SGMII	4	10/100/1000 Mbps	SPI 4.2	Yes	35mm x 35mm	672	HSBGA	1.0mm
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Presteria-MV82110-Cx
 10x1 GE Gigabit Ethernet MAC Controller (SGMII <-> SPI-4.2)

MV82110-Cx	SGMII	10	10/100/1000 Mbps	SPI 4.2	Yes	35mm x 35mm	672	HSBGA	1.0mm
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Presteria-MV82210-Cx
 1x10 GE Gigabit Ethernet MAC Controller (XAUI <-> SPI-4.2)

MV82210-Cx	XAUI	1	10 Gbps	SPI 4.2	Yes	35mm x 35mm	672	HSBGA	1.0mm
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Secure MAC/PHY

Presteria X2220
 Integrated 10GbE XAUI/XFI Secure MAC/PHY with LinkCrypt technology

98X2220	XAUI/XFI	4	10 Gbps	XAUI	Yes	21mm x 21mm	400	FCBGA	1.0mm
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DISCOVERY VI

System Controllers

Discovery VI MV64660
PowerPC System Controllers

Part Numbers	CPU Interface	I/O Support	Memory	Device Support	On-Board SRAM	Frequency	Voltage	Package Size	Package Type	Ball Pitch	I-Temp	Evaluation Boards	Software
MV64660	PowerPC 60x and MPX	1 x 32-Bit, PCI-X 1 x 4 OR 4x1 PCIe, 3 x GbE (2 x SGMII), 2 x UART, 2 x USB, 1x SATA	DDR2 64/72-Bits 533MHz, Up to 16 GB	16-Bit, 166 MHz, 5 Chip Selects	N/A	240 MHz	1.2V Core, 1.8V 2.5V/ 3.3V I/O	35mm x 35mm	880-BGA	1.0mm		DB-64660A0-2 MPC7448, DB-64660A0-MPC7448, DB-64660A0-IBM750CL, DB-64660A0-IBM750FL, DB-64660A0-IBM750GL	U-Boot (1.1.4), VxWorks 5.5/6.3, Linux 2.6.x

DISCOVERY V

System Controllers

Discovery V MV64560
PowerPC System Controllers

Part Numbers	CPU Interface	I/O Support	Memory	Device Support	On-Board SRAM	Frequency	Package Size	Package Type	Ball Pitch	I-Temp	Evaluation Boards	Software	
MV64560	PowerPC 60x and MPX	1 x 64-Bit PCI-X, 1 x 32-Bit PCI-X OR 1 x 4 PCIe, 3 x GbE (2 x SGMII), 2 x UART, 2 x USB	DDR/DDR2 64/72-Bits 400MHz, Up to 8 GB	16-Bit, 166 MHz, 5 Chip Selects	N/A	200 MHz	35mm x 35mm	840-BGA	1.0mm	Yes		DB-64560A0-IBM750GL, DB-64560A0-IBM750FL, DB-64560A0-2XMPC7448, DB-64560A0-IBM750CXr, DB-64560A0-MPC7447A, DB-64560A0-MPC7448	U-Boot (1.1.4), VxWorks 5.5/6.3, Linux 2.6.x

DISCOVERY III

System Controllers

Part Numbers
CPU Interface
I/O Support
Memory
Device Support
On-Board SRAM
Frequency
Package Size
Package Type
Ball Pitch
I-Temp
Evaluation Boards
Software

Discovery III MV64460 PowerPC System Controllers	MV64460	PowerPC	2 x 64-Bit PCI-X, 3 x GbE, 2 x MPSC	DDR 400 MHz, Up to 8 GB	32-Bit, 133 MHz, 5 Chip Selects	2 Mb	200 MHz	35mm x 35mm	844-BGA	1.0mm	Yes	DB-64460B1-IBM750GX-S, DB-64460B1-MPC7447A, DB-64460B1-MPC7448-S, DB-64460B1-2XMPC7447 A-S	Low-Level VxWorks® and Linux Drivers, PMON/2000 (Opsycon), Reference BSP - Linux, VxWorks
Discovery III MV64461 PowerPC System Controllers	MV64461	PowerPC 60x and MPX	2 x 32-Bit PCI-X, 2 x GbE, 2 x MPSC	DDR 400 MHz, Up to 8 GB	32-Bit, 133 MHz, 5 Chip Selects	2 Mb	200 MHz	35mm x 35mm	844-BGA	1.0mm		Use Evaluation board for MV64460	VxWorks, Linux Drivers, PMON/2000 (Opsycon), Reference BSP - Linux, VxWorks
Discovery III MV64462 PowerPC System Controllers	MV64462	PowerPC 60x and MPX	1 x 64-Bit PCI-X, 1 x 32-Bit PCI-X, 1 x GbE, 2 x MPSC	DDR 400 MHz, Up to 8 GB	32-Bit, 133 MHz, 5 Chip Selects	N/A	200 MHz	35mm x 35mm	844-BGA	1.0mm		Use Evaluation board for MV64460	VxWorks, Linux Drivers, PMON/2000 (Opsycon), Reference BSP - Linux, VxWorks
Discovery III MV64440 MIPS System Controllers	MV64440	MIPS 64-Bit SysAD	2 x 32-Bit PCI-X, 2 x GbE, 2 x MPSC	DDR 400 MHz, Up to 8 GB	32-Bit, 133 MHz, 5 Chip Selects	2 Mb	200 MHz	35mm x 35mm	844-BGA	1.0mm		DB-64440B1-RM7000C	Low-Level VxWorks and Linux Drivers, Reference BSP - VxWorks
Discovery III MV64441 MIPS System Controllers	MV64441	MIPS 64-Bit SysAD	2 x 32-Bit PCI-X, 2 x GbE, 2 x MPSC	DDR 400 MHz, Up to 8 GB	32-Bit, 133 MHz, 5 Chip Selects	2 Mb	200 MHz	35mm x 35mm	844-BGA	1.0mm		Use Evaluation board for MV64440	Low-Level VxWorks and Linux Drivers, Reference BSP - VxWorks
Discovery III MV64442 MIPS System Controllers	MV64442	MIPS 64-Bit SysAD	1 x 64-Bit PCI-X, 1 x 32-Bit PCI-X, 1 x GbE, 2 x MPSC	DDR 400 MHz, Up to 8 GB	32-Bit, 133 MHz, 5 Chip Selects	N/A	200 MHz	35mm x 35mm	844-BGA	1.0mm		Use Evaluation board for MV64440	Low-Level VxWorks and Linux Drivers, Reference BSP - VxWorks

Fast Ethernet (FE) PHY

Transceivers

Number of Ports
10/100BASE-T
100BASE-FX
MII
RMII
SMDI
SSSMDI
RGMDI
DDR-SSSMDI
Internal Regulator
Virtual Cable Tester
Programmable LED
JTAG
I-Temp
RoHS 6/6, Green*
Production
Package Type

Single-Port Devices		Number of Ports	10/100BASE-T	100BASE-FX	MII	RMII	SMDI	SSSMDI	RGMDI	DDR-SSSMDI	Internal Regulator	Virtual Cable Tester	Programmable LED	JTAG	I-Temp	RoHS 6/6, Green*	Production	Package Type	
88E3015	10/100BASE-T Fast Ethernet PHY	1	Yes	Yes	Yes					Yes		Yes	Yes	Yes			R	Yes	56-QFN
88E3016	10/100BASE-T Fast Ethernet PHY	1	Yes	Yes						Yes		Yes	Yes	Yes	Yes		R	Yes	64-QFN
88E3018	10/100BASE-T Fast Ethernet PHY	1	Yes	Yes	Yes					Yes		Yes	Yes	Yes	Yes	Yes	R	Yes	64-QFN
88E3019	10/100BASE-T Fast Ethernet PHY	1	Yes			Yes	Yes			Yes			Yes	Yes			G	Yes	32-QFN
Octal-Port Devices		Number of Ports	10/100BASE-T	100BASE-FX	MII	RMII	SMDI	SSSMDI	RGMDI	DDR-SSSMDI	Internal Regulator	Virtual Cable Tester	Programmable LED	JTAG	I-Temp	RoHS 6/6, Green*	Production	Package Type	
88E3082	10/100BASE-T Octal PHY	8	Yes	Yes			Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	R	Yes	224-TFBGA
88E3083	10/100BASE-T Octal PHY	8	Yes	Yes				Yes	Yes		Yes	Yes	Yes	Yes	Yes		R	Yes	128-LQFP

ALASKA® Series

Transceivers

Number of Ports
10/100/1000BASE-T
100BASE-FX
100BASE-X
SGMII (Line)
SFP
MII
GMII
RGMII
SGMII (MAC)
TBI
RTBI
SerDes
QSGMII
Internal Regulator
Integrated Passives
Virtual Cable Tester
Programmable LED
JTAG
125MHz CLK OUT
I-Temp
Energy Efficient Ethernet (EEE)
RoHS 6/6, Green*
Production
Package Type

Single-Port Devices

Device	Ports	10/100/1000BASE-T	100BASE-FX	100BASE-X	SGMII (Line)	SFP	MII	GMII	RGMII	SGMII (MAC)	TBI	RTBI	SerDes	QSGMII	Internal Regulator	Integrated Passives	Virtual Cable Tester	Programmable LED	JTAG	125MHz CLK OUT	I-Temp	Energy Efficient Ethernet (EEE)	RoHS 6/6, Green*	Production	Package Type	
Alaska 88E1111 10/100/1000BASE-T PHY with multiple MAC Interfaces	1	Yes			Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes					Yes	Yes	Yes	Yes	Yes		R	Yes	Multiple Packages
Alaska 88E1112 10/100/1000BASE-T PHY with Dual SERDES/SGMII	1	Yes	Yes	Yes	Yes	Yes	Yes				Yes			Yes				Yes	Yes			Yes		R	Yes	64-QFN
Alaska 88E1113 Fiber Transceiver	1		Yes	Yes			Yes				Yes			Yes				Yes	Yes					R	Yes	64-QFN
Alaska 88E1114 10/100/1000BASE-T PHY with SERDES/SGMII	1	Yes	Yes	Yes	Yes						Yes			Yes				Yes	Yes					R	Yes	64-QFN
Alaska 88E1116R 10/100/1000BASE-T PHY with RGMII	1	Yes								Yes					with PNP	Yes	Yes	Yes	Yes	Yes				R	Yes	64-QFN
Alaska 88E1118R 10/100/1000BASE-T PHY with RGMII	1	Yes								Yes					with PNP	Yes	Yes	Yes	Yes	Yes	Yes			R	Yes	64-QFN
Alaska 88E1119R 10/100/1000BASE-T PHY with GMII	1	Yes						Yes	Yes						with PNP	Yes	Yes	Yes	Yes	Yes	Yes	Yes		G	Yes	72-QFN
Alaska 88E1310 10/100/1000BASE-T PHY with RGMII	1	Yes								Yes					LDO	Yes	Yes	Yes		Yes				G	Yes	48-QFN
Alaska 88E1318 10/100/1000BASE-T PHY with RGMII	1	Yes								Yes					LDO	Yes	Yes	Yes		Yes				G	Yes	48-QFN
Alaska 88E1310S 10/100/1000BASE-T PHY with RGMII	1	Yes								Yes					LDO	Yes	Yes	Yes		Yes				G	Yes	48-QFN

*RoHS 6/6 + Halogen-Free

ALASKA® Series

Transceivers

Number of Ports, 10/100/1000BASE-T, 100BASE-FX, 100BASE-X, SGMII (Line), SFP, MII, GMII, RGMII, SGMII (MAC), TBI, RTBI, SerDes, QSGMII, Internal Regulator, Integrated Passives, Virtual Cable Tester, Programmable LED, JTAG, 125MHz CLK OUT, I-Temp, Energy Efficient Ethernet (EEE), RoHS 6/6, Green*, Production, Package Type

Product Name	Number of Ports	10/100/1000BASE-T	100BASE-FX	100BASE-X	SGMII (Line)	SFP	II	GMII	RGMII	SGMII (MAC)	TBI	RTBI	SerDes	QSGMII	Internal Regulator	Integrated Passives	Virtual Cable Tester	Programmable LED	JTAG	125MHz CLK OUT	I-Temp	Energy Efficient Ethernet (EEE)	RoHS 6/6, Green*	Production	Package Type		
Alaska 88E1318S 10/100/1000BASE-T PHY with RGMII	1	Yes								Yes								LDO	Yes	Yes	Yes	Yes		G	Yes	48-QFN	
Alaska 88E1510 EEE 10/100/1000BASE-T PHY with RGMII	1	Yes								Yes								Switching Regulator	Yes	Yes	Yes	Yes	Yes	Yes	G	Yes	48-QFN
Alaska 88E1512 EEE 10/100/1000BASE-T PHY with RGMII, SGMII, Copper/Fiber Autoselect Detect	1	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes							Switching Regulator	Yes	Yes	Yes	Yes	Yes	Yes	G	Yes	56-QFN
Alaska 88E1514 EEE 10/100/1000BASE-T PHY with SGMII, Copper / Fiber Autoselect Detect	1	Yes				Yes												Switching Regulator	Yes	Yes	Yes	Yes	Yes	Yes	G	Yes	56-QFN
Alaska 88E1518 EEE 10/100/1000BASE-T PHY with RGMII	1	Yes								Yes								Switching Regulator	Yes	Yes	Yes	Yes	Yes	Yes	G	Yes	48-QFN
Dual-Port Devices																											
Alaska 88E1121R 10/100/1000BASE-T PHY with RGMII	2	Yes								Yes									Yes	Yes	Yes	Yes			R	Yes	100-TQFP
Alaska 88E1322 10/100/1000BASE-T PHY with SGMII, SyncE, IEEE 1588 Time Stamping, Copper/Fiber Autoselect Detect	2	Yes	Yes	Yes	Yes	Yes	Yes				Yes								Yes	Yes	Yes	Yes	Yes	Yes	G	Yes	196 TFBGA
Quad-Port Devices																											
Alaska 88E1143 100/1000Mbps Fiber Transceiver	4		Yes	Yes	Yes				Yes	Yes									Yes	Yes	Yes	Yes	Yes		R	Yes	364-PBGA
Alaska 88E1145 10/100/1000BASE-T PHY with SGMII /SERDES	4	Yes	Yes	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes					Yes	Yes	Yes	Yes	Yes		R	Yes	364-HSBGA

*RoHS 6/6 + Halogen-Free

ALASKA® Series

Transceivers

Number of Ports
10/100/1000BASE-T
100BASE-FX
100BASE-X
SGMII (Line)
SFP
MII
GMII
RGMII
SGMII (MAC)
TBI
RTBI
SerDes
QSGMII
Internal Regulator
Integrated Passives
Virtual Cable Tester
Programmable LED
JTAG
125MHz CLK OUT
I-Temp
Energy Efficient Ethernet (EEE)
RoHS 6/6, Green*
Production
Package Type

Product Name	Number of Ports	10/100/1000BASE-T	100BASE-FX	100BASE-X	SGMII (Line)	SFP	MII	GMII	RGMII	SGMII (MAC)	TBI	RTBI	SerDes	QSGMII	Internal Regulator	Integrated Passives	Virtual Cable Tester	Programmable LED	JTAG	125MHz CLK OUT	I-Temp	Energy Efficient Ethernet (EEE)	RoHS 6/6, Green*	Production	Package Type	
Alaska 88E1240 10/100/1000BASE-T PHY with SGMII	4	Yes	Yes	Yes						Yes								Yes	Yes	Yes				R	Yes	Multiple Packages
Alaska 88E1340 10/100/1000BASE-T PHY with SGMII, QSGMII, Copper/ Fiber Autotmedia Detect, SyncE, IEEE 1588 Time- stamping	4	Yes	Yes	Yes	Yes	Yes	Yes			Yes					Yes		Yes	Yes	Yes	Yes				G	Yes	196-TFBGA
Alaska 88E1340S 10/100/1000BASE-T PHY with SGMII, QSGMII, Copper/ Fiber Autotmedia Detect, SyncE, IEEE 1588 Time- stamping	4	Yes	Yes	Yes	Yes	Yes	Yes			Yes					Yes		Yes	Yes	Yes	Yes		Yes		G	Yes	196-TFBGA
Alaska 88E1543 EEE 10/100/1000BASE-T PHY with SGMII	4	Yes	Yes	Yes	Yes	Yes	Yes			Yes							Yes	Yes	Yes	Yes		Yes		G	Yes	128-LQFP
Alaska 88E1545 EEE 10/100/1000BASE-T PHY with QSGMII	4	Yes												Yes			Yes	Yes	Yes	Yes		Yes		G	Yes	128-LQFP
Octal-Port Devices																										
Alaska 88E1680 EEE 10/100/1000BASE-T PHY with QSGMII plus PTP, SyncE	8	Yes													Yes		Yes	Yes	Yes	Yes		Yes		G	Yes	128-LQFP
Alaska 88E1685 EEE 10/100/1000BASE-T PHY with QSGMII	8	Yes												Yes			Yes	Yes	Yes	Yes		Yes		G	Yes	128-LQFP

*RoHS 6/6 + Halogen-Free

ALASKA® M Series

Transceivers

- Number of Ports
- 10/100/1000BASE-T
- 100BASE-FX
- 1000BASE-X
- SGMII (Line)
- SFP
- EEE
- SGMII (MAC)
- QSGMII
- Core Voltage
- Digital I/O
- Analog Voltage
- Integrated Passives
- Virtual Cable Tester
- Programmable LED
- JTAG
- I-Temp
- Energy Efficient Ethernet (EEE)
- 2-step SyncE
- PTP (IEEE 1588-2008)
- 1-Step PTP
- RoHS 6/6, Green*
- Production
- Package Type
- LinkCrypt® (MACSec)

Quad-Port Devices																											
Part Number	Description	Ports	10/100/1000BASE-T	100BASE-FX	1000BASE-X	SGMII (Line)	SFP	EEE	SGMII (MAC)	QSGMII	Core Voltage	Digital I/O	Analog Voltage	Integrated Passives	Virtual Cable Tester	Programmable LED	JTAG	I-Temp	Energy Efficient Ethernet (EEE)	2-step SyncE	PTP (IEEE 1588-2008)	1-Step PTP	RoHS 6/6, Green*	Production	Package Type	LinkCrypt® (MACSec)	
Alaska 88E1540M	EEE 10/100/1000BASE-T PHY with QSGMII plus MACSec	4	Yes			Yes			Yes	Yes	Yes	1.0V	1.2V/1.8V/2.5V/3.3V	1.8V/3.3V	Yes	Yes	Yes	Yes		Yes	Yes			G	Yes	196-TFBGA	Yes
Alaska 88E1543M	EEE 10/100/1000BASE-T PHY with SGMII plus MACSec	4	Yes	Yes	Yes	Yes	Yes		Yes	Yes		1.0V	2.5V/3.3V	1.8V/3.3V	Yes	Yes	Yes	Yes		Yes				G	Yes	128-LQFP	Yes
Alaska 88E1545M	EEE 10/100/1000BASE-T PHY with QSGMII plus MACSec	4	Yes			Yes			Yes	Yes	Yes	1.0V	1.2V/1.8V/2.5V/3.3V	1.8V/3.3V	Yes	Yes	Yes	Yes		Yes				G	Yes	128-LQFP	Yes
Alaska 88E1548M	EEE 10/100/1000BASE-T PHY with SGMII plus MACSec, Auto-Media Detect	4	Yes	Yes	Yes	Yes			Yes	Yes	Yes	1.0V	1.2V/1.8V/2.5V/3.3V	1.8V/3.3V	Yes	Yes	Yes	Yes		Yes	Yes			G	Yes	196-TFBGA	Yes
Alaska 88E1548P	EEE 10/100/100 BASE-T PHY with SGMII plus MACsec, Auto-Media Detect, 1-step PTP	4	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	1.0V	1.2V/1.8V/2.5V/3.3V	1.8V/3.3V	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	G	Yes	196-TFBGA	Yes
Octal-Port Devices																											
Alaska 88E1680M	EEE 10/100/1000BASE-T PHY with QSGMII plus MacSec, PTP, SyncE	8	Yes								Yes	0.9V	1.5V/1.8V/2.5V/3.3V	1.5V/1.8V	Yes	Yes	Yes	Yes		Yes	Yes	Yes	G	Yes	128-LQFP	Yes	

*RoHS 6/6 + Halogen-Free

ALASKA® X Series

Transceivers

Number of Ports
 10GBASE-SR/ER/LR
 10GBASE-SW/EW/LW
 10GBASE-LRM
 100Mb/1Gb/10GBASE-T
 XAUI
 XGMII
 RXAUI
 XFI
 SFI
 XENPAK
 X2
 XFP
 SFP/SFP
 Twinax
 CR
 Programmable LED
 JTAG
 Reference Clock
 I-Temp
 RoHS 6/6, Green*
 Production
 Package Type

Single-Port Devices																									
Alaska X 88X2010 XAUI to XFI Serial 10G SERDES (LAN PHY)	1	Yes					Yes						Yes	Yes	Yes			Yes	Yes	156.25/159.375 MHz		Yes	Yes	256-TFBGA	
Alaska X 88X2011 XAUI to XFI Serial 10G SERDES (WAN & LAN PHY)	1	Yes	Yes				Yes						Yes	Yes	Yes			Yes	Yes	156.25/159.375 MHz, 155.52 MHz (WIS)		Yes	Yes	Yes	256-TFBGA
Alaska X 88X2012 XAUI to XFI Serial 10G SERDES (LAN PHY)	1	Yes					Yes						Yes	Yes	Yes			Yes	Yes	156.25/159.375 MHz		Yes	Yes	256-TFBGA	
Alaska X 88X2013 XAUI to XFI Serial 10G SERDES (WAN & LAN PHY)	1	Yes	Yes				Yes						Yes	Yes	Yes			Yes	Yes	156.25/159.375 MHz, 155.52 MHz (WIS)		Yes	Yes	256-TFBGA	
XGXS Devices																									
Alaska X 88X2040 10GE XAUI and 4 Channel 3.125 Gigabit per second SERDES	1						Yes	Yes					Yes	Yes				Yes	Yes	62.5/125/156.25/159.375 MHz		Yes	Yes	256-TFBGA	
Alaska X 88X2080 Dual XAUI to XGMII SERDES	2						Yes	Yes					Yes	Yes				Yes	Yes	62.5/125/156.25/159.375 MHz		Yes	Yes	448-PBGA	
Alaska X 88X2120 10GE RXAUI and 4 Channel 3.125 Gigabit per second SERDES	2	Yes		Yes					Yes	Yes	Yes				Yes	Yes	Yes	Yes	Yes	156.25		Yes	Yes	196-HFCBGA	
Alaska X 88X2140 10GE RXAUI and 4 Channel 3.125 Gigabit per second SERDES	4	Yes		Yes					Yes	Yes	Yes				Yes	Yes	Yes	Yes	Yes	156.25		Yes	Yes	400-FCBGA	

*RoHS 6/6 + Halogen-Free

ALASKA® X Series

Transceivers

Cu Devices

Alaska X 88X3120

2				Yes	Yes	Yes	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes	25, 156.25 MHz		Yes	Yes	676-HFCBGA
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Alaska X 88X3140

4				Yes	Yes	Yes	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes	25, 156.25 MHz		Yes	Yes	676-HFCBGA
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*RoHS 6/6 + Halogen-Free

- Number of Ports
- 10GBASE-SR/ER/LR
- 10GBASE-SW/EW/LW
- 10GBASE-LRM
- 100Mb/1Gb/10GBASE-T
- XAUJ
- XGMII
- RXAUI
- XFI
- SFI
- XENPAK
- X2
- XFP
- SFP/SFP
- Twinax
- CR
- Programmable LED
- JTAG
- Reference Clock
- I-Temp
- RoHS 6/6, Green*
- Production
- Package Type

ALASKA® X M Series

Transceivers

XGXS Devices

Alaska X 88X2120M
10GE RXAUI and 4 Channel 3.125 Gigabit per second SERDES

2	Yes	Yes			Yes	Yes	Yes			Yes	Yes	Yes	0.9V	2.5V/3.3V	1.2V	Yes	Yes	156.25	Yes	Yes	Yes	196-HFCBGA	Yes
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Alaska X 88X2140M
10GE RXAUI and 4 Channel 3.125 Gigabit per second SERDES

4	Yes	Yes			Yes	Yes	Yes			Yes	Yes	Yes	0.9V	2.5V/3.3V	1.2V	Yes	Yes	156.25	Yes	Yes	Yes	400-FCBGA	Yes
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*RoHS 6/6 + Halogen-Free

- Number of Ports
- 10GBASE-SR/ER/LR
- 10GBASE-SW/EW/LW
- 10GBASE-LRM
- XAUJ
- XGMII
- RXAUI
- XFI
- SFI
- XENPAK
- X2
- XFP
- SFP/SFP
- Twinax
- Core Voltage
- Digital I/O
- Analog Voltage
- Programmable LED
- JTAG
- Reference Clock
- I-Temp
- RoHS 6/6, Green*
- SyncE
- Production
- Package Type
- LinkCrypt® (MACSec)

ALASKA® X 10GBase-T

Transceivers

- Number of Ports
- 10GBASE-SR/ER/LR
- 10GBASE-SW/EM/LW
- 10GBASE-LRM
- 100Mb/1Gb/10GBASE-T
- EEE
- XAU1
- XGMII
- RXAUI
- XF1
- SF1
- XENPAK
- X2
- XFP
- SFP/SFP
- Twinstx
- CR
- Core Voltage
- Digital I/O
- Analog Voltage
- Programmable LED
- JTAG
- Reference Clock
- I-Temp
- RoHS 6/6, Green
- SyncE
- Production
- Package Type
- LinkCrypt® (MACSec)

Cu Devices

Alaska X 88X3120M	2			Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	Yes	0.75V	0.75V	1.2V	1.8V	2.2V	2V	1.8V	Yes	Yes	25, 156.25 MHz	Yes	Yes	676-HFCBG	Yes
Alaska X 88X3140M	4			Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	Yes	0.75V	0.75V	1.2V	1.8V	2.2V	2V	1.8V	Yes	Yes	25, 156.25 MHz	Yes	Yes	676-HFCBG	Yes

KYOTO Series

Video Processors and Hybrid Demodulators

Part Number	Input Ports	Output Ports	OSD Support	Embedded CPU	Memory Interface	External FLASH	Voltage	Package Size	Package Type	I-Temp	Ball Pitch	Ordering Part #
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QDEO™ Video Processors												
88DE2710 Adaptive Digital Video Format Converter with Qdeo®; Video Processing	88DE2710	3	2	External	None	32bit DDR1 @ 200Mhz	Not Required	1.2V Core, 3.3V/2.5V I/O	19mm x 19mm	324-BGA	1.0mm	88DE2710-A1-BCY1C000
88DE2750 Adaptive Digital Video Format Converter with Qdeo®; Video Processing	88DE2750	1	1	External	None	'-2' 16bit DDR2 @ 200Mhz, '-4' 16bit DDR2 @ 400Mhz	Not Required	1.0V core, 3.3V/1.8V I/O	17mm x 17mm	256-BGA	1.0mm	88DE2750-B0-BIF2C200 (200MHz), 88DE2750-B0-BIF2C000 (400MHz)
88DE2755 Adaptive Digital Video Format Converter SOC with Qdeo®; Video Processing. Integrated v1.4 HDMI Rx and Tx, with 3D support.	88DE2755	2	1	Internal and External	PJ1 ARM v5TE-compliant Marvell Processor Core @400Mhz with 16KB IRAM and 16KB Data RAM	'-2' 16bit DDR2 @ 200Mhz, '-4' 16bit DDR2 @ 400Mhz, 16/8 bit DDR3 @ 800Mhz	Supports SPI and Nand for onchip s/w execution	1.0V core, 3.3V/1.8V I/O	17mm x 17mm	256-BGA	1.0mm	88DE2755B0-BIF2C000, 88DE2755B1-BIF2C000, 88DE2755B1-BIF2C000-T182, 88DE2755B1-BIF2C000-T183, 88DE2755B1-BIF2C000-T188

BALI Series

Video Processors and Hybrid Demodulators

Part Number
Input Ports
Output Ports
OSD Support
Embedded CPU
Memory Interface
External FLASH
Voltage
Package Size
Package Type
I-Temp
Ball Pitch
Ordering Part Numbers

Hybrid Demodulator													
Part Number	Input Ports	Output Ports	OSD Support	Embedded CPU	Memory Interface	External FLASH	Voltage	Package Size	Package Type	I-Temp	Ball Pitch	Ordering Part Numbers	
88DE8020 Single Chip Hybrid Demodulator for DVB-T/C/NTSC/PAL/SECAM	1	1	Not Applicable	None	None	Not Required	Not Required	7mm x 7mm	48-QFN			88DE8020XX-NNB2C000	
88DE8010 Single Chip Hybrid Demodulator for DVB-T/C/NTSC/PAL/SECAM	1	1	Not Applicable	None	None	Not Required	Not Required	7mm x 7mm	48-QFN			88DE8010-XX-NNB2C000	
88DE8500 Single Chip Hybrid Tuner for Worldwide markets	1	1	Not Applicable	None	None	Not Required	Not Required	5mm x 5mm	32-QFN			88DE8500-A7-NAJ2C000	

Wireless

Wireless

Part Number	Wireless Technologies	Interface Support	Package Type	Package Size	Ball Pitch	Embedded CPU	Temp	Evaluation Boards	Process
88W8786 Single-Chip 1x1 802.11n/b/g	802.11 b/g/n	SDIO 2.0, USB 2.0	QFN	8mm x 8mm	400um	Yes	0 to +70C	RD-88W-USB-8786-A1	65nm
88W8366 3x3 802.11 a/b/g/n	802.11 a/b/g/n	PCIe 1.1	BGA		500um	Yes	0 to +70C	CD-88W-AP95-A0	90nm
88W8063 3x3 802.11 a/b/g/n	802.11 a/b/g/n	PCIe 1.1	BGA		650um	Yes	0 to +70C	CD-88W-AP95-A0	90nm

AVASTAR™ Series

Wireless

Part Number	Wireless Technologies	Interface Support	Package Type	Package Size	Ball Pitch	Embedded CPU	Temp	Evaluation Boards	Process
AVASTAR 8700 Family									
88W8764 Single Chip 4x4 802.11 a/b/g/n	802.11 a/b/g/n	PCIe 1.1	TFBGA	12mm x 12mm	650um	Yes	0 to +70C	RD-88W-AP-8764DR1-R0	55nm
88W8782 Single Chip 1x1 802.11 a/b/g/n	802.11 a/b/g/n	SDIO 2.0, USB 2.0	QFN	8mm x 8mm	400um	Yes	0 to +70C	RD-88W-USB-8782-R0 RD-88W-SD-8782-R0	55nm
88W8787 Single-Chip 1x1 802.11 a/b/g/n + BT 3.0 + HS + FM Tx/Rx	802.11 a/b/g/n 1x1 + BT 3.0 + HS + FM Rx	SDIO 2.0, UART	TFBGA, CSP	7mm x 7mm & Chip-scale	500um, 260um	Yes	-30 to +85C	RD-88W-USB-8787-GI-A2, RD-88W-SD-8787-AGI-A2	55nm
88W8790 Single chip BT 3.0 + HS + FM Tx/Rx	BT 3.0 + HS + FM Rx	SDIO 2.0, GSPI, UART	TFBGA, CSP	4mm x 4mm	400um	Yes	-30 to +85C	RD-88W-8790-A0	55nm

AVASTAR™ Series

Wireless

Part Number	Wireless Technologies	Interface Support	Package Type	Package Size	Ball Pitch	Embedded CPU	Temp	Evaluation Boards	Process
88W8766 Single-Chip 1x1 802.11 a/b/g/n + BT 4.0 Dual-mode	802.11 a/b/g/n 1x1 + BT 4.0 Dual-mode	PCIe 1.1, USB 2.0	QFN	8mm x 8mm	400um	Yes	0 to +70C	RD-88W-HMC-8766SB2A-R0, RD-88W-HMC-8766DB2A-R0	55nm
88W8797 Single-Chip 2x2 802.11 a/b/g/n + BT 4.0 Dual-mode + FM Tx/Rx	802.11 a/b/g/n 2x2 + BT 4.0 Dual-mode + FM Rx	SDIO 3.0, USB 2.0, HSIC, UART	TFBGA, CSP	9mm x 7.5mm & Chip-scale	400um, 260um	Yes	-30 to +85C	RD-88W-8797-AG1-R0	55nm
AVASTAR 8800 Family									
88W8897	802.11 a/b/g/n/ac 2x2 + BT 4.0 Dual-mode + NFC	PCIe, SDIO 3.0, USB 2.0, HSIC, UART	QFN, CSP	9.5mm x 11mm	400um	Yes	-30 to +85C		40nm
88W8864	802.11 a/b/g/n/ac 4x4	PCIe, SDIO 3.0, USB 2.0, HSIC, UART	AQFN	11.8mm x 11mm	400um	Yes	0 to +70C		40nm

Marvell

Founded in 1995, Marvell Technology Group Ltd. has operations worldwide and more than 7,000 employees. Marvell's U.S. operating subsidiary is based in Santa Clara, California and Marvell has international design centers located in China, Europe, Hong Kong, India, Israel, Japan, Malaysia, Singapore, Taiwan and the U.S. A leading fabless semiconductor company, Marvell ships over one billion chips a year. Marvell's expertise in microprocessor architecture and digital signal processing, drives multiple platforms including high volume storage solutions, mobile and wireless, networking, consumer and green products. World class engineering and mixed-signal design expertise helps Marvell deliver critical building blocks to its customers, giving them the competitive edge to succeed in today's dynamic market.

Key Markets

MOBILE AND WIRELESS:

From laptops to smart phones to gaming devices and from the home to the office to a hotel room: wireless and mobile technologies now touch nearly every facet of our lives. Marvell offers industry leading power management for extended battery life with exceptional ease of use and security. Marvell solutions power the complete value chain of mobile and wireless devices, providing full-featured, media-rich experiences and robust services to everyone from the business user to the consumer.

STORAGE SOLUTIONS: Marvell is the market leader in data storage silicon solutions spanning consumer, mobile, desktop and enterprise market segments. Marvell's storage solutions enable customers to engineer high-volume products for hard disk drives, tape drives, optical disks, and solid state drives, as well as host adapters and bridges.

CLOUD SERVICES AND INFRASTRUCTURE: Marvell cloud services products are designed for the utmost reliability and resiliency. From robust enterprise networking applications to consumer and small business solutions Marvell's cloud services products seamlessly power every point in the cloud and networking ecosystem and ensure that "it just works."

CONSUMER SOLUTIONS: From industry-leading storage, networking, wireless and mobile technologies, to award-winning video processing products, Marvell solutions power some of today's most cutting-edge consumer devices. Combined with a history of innovations in microprocessor architecture that have enabled high integration and scalability, Marvell technology empowers consumers to manage and consume content at home or on the go, without compromising performance.

GREEN TECHNOLOGY: Marvell is committed to developing green technology as both a supplier and user of technology to save energy and to help reduce our collective carbon footprint. Marvell is developing innovative ICs for digital LED driver and control, smart lighting control platforms for commercial and residential applications, and Wi-Fi microcontroller and networking software for Smart appliances.

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KEY FACTS

Founded: 1995

Stock Symbol: MRVL (NASDAQ)

Chairman and Chief Executive Officer: Dr. Sehat Sutardja

Worldwide Employment: More than 7,000

Net Revenues: \$3.4 billion (fiscal 2014, ended February 1, 2014)

Marvell Technology Group Ltd.
Canon's Court
22 Victoria Street
Hamilton HM 12, Bermuda

Marvell US Headquarters:
Marvell Semiconductor, Inc.
5488 Marvell Lane
Santa Clara, CA 95054
Phone: 408-222-2500

Marvell Asia Headquarters:
Marvell Asia Pte, Ltd.
No. 8 Tai Seng Link
Singapore 534158
Phone: (65) 6756-1600

Marvell European Headquarters:
Marvell Switzerland Sarl
Route de Pallatex 17
CH-1163 Etoy
Switzerland

Website: www.marvell.com