2016 Marvell Product Selector Guide

TOTAL SOLUTIONS FROM MARVELL

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

TABLE OF CONTENTS

ARMADA™ Series

Application Processors	Frequency	Device Support	Boot Configuration	Security Support	I/O Voltage	Software	Package Size	Ball Pitch	Package Type	I-Temp*	Special Note
ARMADA 100 Family											
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	

*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
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	*	

*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
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-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	*	
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

*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
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	*	
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	

*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-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.

ARMADA Series

Embedded Processors

Part Numbers	CPU Base Architecture	Ethernet	PCIe	USB	UART	SATA	Device Bus	Frequency	Cache	DDR Controller	Package Size	Package Type	Ball Pitch	I-Temp	Evaluation Board	Software
ARMADA XP																
MV78230	MV78230	ARM®v 7 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 USB2	4 x UART	2 x SATA 2	8/16 bit Device bus	1.06GHz, 1.2GHz, 1.33GHz, 1.6GHz	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®v 7 Dual Core	4 x GbE	3 x PCIe 2.0 (2 x4 or 4 x1, 1 x4 /x1)	3 x USB2	4 x UART	2 x SATA 2	8/16/32 bit Device bus	1.06GHz, 1.2GHz, 1.33GHz, 1.6GHz	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®v 7 Quad Core	4 x GbE	4 x PCIe 2.0 (2 x4 or 4 x1 and 2x4/ x1)	3 x USB2	4 x UART	2 x SATA 2	8/16/32 bit Device bus	1.2GHz, 1.33GHz, 1.6GHz	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 38x Family																
ARMADA 380	88F6810	ARM®v 7 Cortex A9 Single Core with NEON	2 x 1/2.5G bE	3 x PCIe 2.0 x1	2 x USB3/ USB2 and 1 x USB2	2x UART	2 x SATA 3	8/16 bit Device bus	1.0GHz, 1.33GHz, 1.6GHz	L1: 32KB/32KB L2: 512MB unified	16-bit, ECC DDR3/ L-1600 and DDR4-1800	17x17mm	372-TFBGA	0.8mm	Yes	DB-88F6820-GP-A0; DB-88F6820-AP-A0	U-Boot, Linux, OpenWRT, Yocto, FreeBSD
ARMADA 381	88F6811	ARM®v 7 Cortex A9 Single Core with NEON	1 x 1/2.5G bE	3 x PCIe 2.0 x1	1 x USB3/ USB2 and 1 x USB2	2x UART	2 x SATA 3	8/16 bit Device bus	1.0GHz, 1.33GHz	L1: 32KB/32KB L2: 1MB unified	16-bit, ECC DDR3/ L-1333	14x14mm	298-TFBGA	0.65mm	No	DB-88F6821-BP-A0	U-Boot, Linux, OpenWRT, Yocto, FreeBSD
ARMADA 382	88F6821	ARM®v7 Cortex A9 Dual Core with NEON	1 x 1/2.5G bE	3 x PCIe 2.0 x1	1 x USB3/ USB2 and 1 x USB2	2x UART	2 x SATA 3	8/16 bit Device bus	1.0GHz, 1.33GHz	L1: 32KB/32KB L2: 1MB unified	16-bit, ECC DDR3/ L-1333	14x14mm	298-TFBGA	0.65mm	No	DB-88F6821-BP-A0	U-Boot, Linux, OpenWRT, Yocto, FreeBSD

ARMADA Series

Embedded Processors	Part Numbers	CPU Base Architecture	Ethernet	PCIe	USB	UART	SATA	Device Bus	Frequency	Cache	DDR Controller	Package Size	Package Type	Ball Pitch	I-Temp	Evaluation Board	Software
ARMADA 385	88F6820	ARM®v7 Cortex A9 Dual Core with NEON	3 x 1/2.5G bE	4 x PCIe 2.0 x1 or 1 x4	2 x USB3/ USB2 and 1 x USB2	2x UART	2 x SATA 3	8/16 bit Device bus	1.0GHz, 1.33GHz, 1.6GHz, 1.8GHz, 2.0GHz	L1: 32KB/32KB L2: 1MB unified	16/32-bit, ECC DDR3/ L-1600 and DDR4-1800	17x17mm	372-TFBGA	0.8mm	Yes	DB-88F6820-GP-A0; DB-88F6820-AP-A0	U-Boot, Linux, OpenWRT, Yocto, FreeBSD
ARMADA 388	88F6828	ARM®v7 Cortex A9 Dual Core with NEON	3 x 1/2.5G bE	4 x PCIe 2.0 x1 or 1 x4	2 x USB3/ USB2 and 1 x USB2	2x UART	4 x SATA 3	8/16 bit Device bus	1.0GHz, 1.33GHz, 1.6GHz, 1.8GHz, 2.0GHz	L1: 32KB/32KB L2: 1MB unified	16/32-bit, ECC DDR3/ L-1600 and DDR4-1800	17x17mm	372-TFBGA	0.8mm	Yes	DB-88F6820-GP-A0	U-Boot, Linux, OpenWRT, Yocto, FreeBSD
ARMADA SP																	
ARMADA LP																	
88F3710	88F3710	ARM®v8 Cortex A53 Single Core with NEON	2 x 1/2.5G bE	1 x PCIe 2.0 x1	1 x USB3/ USB2 and 1 x USB2	1x UART	1 x SATA 3	None	800MHz, 1.0GHz and 1.2GHz	L1: 32KB-I, 32KB-D; L2: 256KB unified	16 bit DDR3/3L/ 4	10.5mm x11.5mm	271L TFBGA	0.5mm	Yes	DB-88F3720-DDR3-1	u-boot, Linux
88F3720	88F3720	ARM®v8 Cortex A53 Dual Core with NEON	2 x 1/2.5G bE	1 x PCIe 2.0 x1	1 x USB3/ USB2 and 1 x USB2	1x UART	1 x SATA 3	None	800MHz, 1.0GHz and 1.2GHz	L1: 32KB-I, 32KB-D; L2: 256KB unified	16 bit DDR3/3L/ 4	10.5mm x11.5mm	271L TFBGA	0.5mm	Yes	DB-88F3720-DDR3-1	u-boot, Linux
ARMADA 7K/8K																	
ARMADA 7020	88F7020	ARM®v8 Cortex A72 Dual Core	2x 1/2.5GBE 1x 10GbE	1x PCIe3.0 x4/x2/x1 2x PCIe3.0 x1	2x USB3/ USB2	4x UART	2 x SATA 3	8/16 bit Device bus	800MHz, 1.0GHz, 1.2GHz, 1.6GHz	L1: 32KB/32KB L2: 1MB unified	32-bit ECC	17mm x 17mm	429L-FCBGA	0.65mm		DB-88F7040A-BP-DDR4	U-Boot, Linux, OpenWRT, Yocto

ARMADA Series

Embedded Processors	Part Numbers	CPU Base Architecture	Ethernet	PCIe	USB	UART	SATA	Device Bus	Frequency	Cache	DDR Controller	Package Size	Package Type	Ball Pitch	I-Temp	Evaluation Board	Software
ARMADA 7040	88F7040	ARM®v8 Cortex A72 Quad Core	2x 1/2.5GBE 1x 10GbE	1x PCIe3.0 x4/x2/x1 2x PCIe3.0 x1	2x USB3/ USB2	4x UART	2 x SATA 3	8/16 bit Device bus	800MHz , 1.0GHz, 1.2GHz	L1: 32KB/32K B L2: 1MB unified	32-bit ECC	17mm x 17mm	429L-FCBGA	0.65mm		DB-88F7040A-BP-DDR4	U-Boot, Linux, OpenWR T, Yocto
ARMADA 8020	88F8020	ARM®v 8 Cortex A72 Dual Core	4x 1/2.5GBE 2x 10GbE	1x PCIe3.0 x4/x2/x1 1x PCIe3.0 x1/ x2 4x PCIe3 X1	3x USB3/ USB2	4x UART	4 x SATA 3	8/16 bit Device bus	1.0GHz, 1.2GHz, 1.6GHz, 2.0GHz	L1: 32KB/32K B L2: 1MB unified	32/64-bit ECC	24mm x 24mm	816 - FCBGA	0.8mm		DB-88F8040A-BP-DDR4	U-Boot, Linux, OpenWR T, Yocto
ARMADA 8040	88F8040	ARM®v8 Cortex A72 Quad Core	4x 1/2.5GBE 2x 10GbE	1x PCIe3.0 x4/x2/x1 1x PCIe3.0 x1/ x2 4x PCIe3 X1	3x USB3/ USB2	4x UART	4 x SATA 3	8/16 bit Device bus	1.0GHz, 1.2GHz, 1.6GHz, 2.0GHz	L1: 32KB/32K B L2: 1MB unified	32/64-bit ECC	24mm x 24mm	816 - FCBGA	0.8mm		DB-88F8040A-BP-DDR4	U-Boot, Linux, OpenWR T, Yocto
ARMADA 375																	
88F6720	88F6720	ARM®v7 Cortex A9 Dual Core with NEON	2 x GbE	2 x PCIe 2.0 x1	1 x USB3/ USB2 and 1 x USB2	2x UART	2 x SATA 2	8/16 bit Device bus	800MHz , 1.0GHz	L1: 32KB-I, 32KB-D; L2: 256KB unified	16/32-bit, DDR3/ L-1066	19mm x 19mm	511-TFBGA	0.65mm	Yes	DB-88F6720-A0	u-boot, Linux

LINK STREET® Series

Gateways	CPU	Memory	Port Configuration	Evaluation Board	Cache	GPIO	MAC Size	Power	Package Size	Package Type	QoS IEEE 802.1p Priority, 4 Queues per Port	IEEE 802.1Q Dynamic VLANs Supported	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	

EZ Connect

Microcontrollers

	Processor	Frequency	Connectivity	Memory	eXecute-In-Place	Security	DMA	Clock	Timers	Digital Interfaces	Analog	GPIOs	Debug	Package
88MW300 Microcontroller with Wi-Fi connectivity	ARM Cortex-M4F with MPU	200 MHz	802.11 b/g/n 1x1	ROM: 128KB, SRAM: 512KB, Always-On SRAM: 4KB	Yes	Secure Boot, AES engine, WLAN TKIP/AES	32x channels	On-chip RTC	2x GPT with LED PWM, Watch Dog	I2C (2x), UART (3x), SSP/SPI (3x), I2S (3x), QSPI (with 32KB Flash-cache)	ADC, DAC, Analog Comparator	Up to 35	JTAG/SWD	68-pin QFN 8x8 mm
88MW302 Microcontroller with Wi-Fi connectivity	ARM Cortex-M4F with MPU	200 MHz	802.11 b/g/n 1x1	ROM: 128KB, SRAM: 512KB, Always-On SRAM: 4KB	Yes	Secure Boot, AES engine, WLAN TKIP/AES	32x channels	RTC	4x GPT with LED PWM, Watch Dog	I2C (2x), UART (3x), SSP/SPI (3x), I2S (3x), QSPI (with 32KB Flash-cache), USB OTG	ADC, DAC, Analog Comparator	Up to 50	JTAG/SWD	88-pin QFN 10x10 mm
88MB300 Microcontroller with BT/BLE	ARM Cortex-M3 with MPU	128 MHz	Bluetooth 4.2, BDR/EDR BLE	ROM: 320KB, SRAM: 512KB	No	Bluetooth AES	6x channels	RTC	2x GPT, Watch Dog	I2C (2x), UART (2x), SSP/SPI (2x), I2S/PCM (2x), QSPI 16x16 Keyscan controller, Touch-button module, Trackball controller	ADC, DAC, Analog Comparator	Up to 32	JTAG/SWD	48-pin QFN, 69-bump eWLP

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 Power Regulators

Power Management

DC/DC Series

	Part Number	Vin Range	Vout Range	Configuration	Output Rails & Iout (Max): Buck1	Output Rails & Iout (Max): Buck2	Output Rails & Iout (Max): LDO1	Output Rails & Iout (Max): LDO2	Fsw	HS/LS MOSFET RDS (On)	Features	Package Options
88PG8111	88PG8111	2.7V ~ 5.5V	1.0V ~ 3.3V	1 Buck + 1 LDO	n/a	0.5A	50mA	n/a	2.7MHz	320mΩ /150mΩ	SDI, SLPn	QFN
88PG8211	88PG8211	2.7V ~ 5.5V	1.8V ~ 3.3V	2 Buck + 1 LDO	0.5A	0.5A	50mA	n/a	2.7MHz	320mΩ /150mΩ	SDI, SLPn	QFN, WLCSP
88PG821A	88PG821A	2.7V ~ 5.5V	1.1V ~ 3.3V	2 Buck + 1 LDO	0.5A	0.5A	50mA	n/a	2.7MHz	320mΩ /150mΩ	SDI, SLPn	QFN
88PG823	88PG823	2.7V ~ 5.5V	0.6V - 3.3V	2 Buck + 1 LDO	1.5A / 200mA	1.5A	525mA	n/a	3MHz	80mΩ /40mΩ	SDI, DVC, SLPn	QFN, WLCSP
88PG8318	88PG8318	2.7V ~ 5.5V	1.1V ~ 3.3V	2 Buck + 1 LDO	1.2A	n/a	150mA	150mA	2MHz	204mΩ /144mΩ	SDI, FPWM	DFN
88PG839	88PG839	2.7V ~ 5.5V	0.64V ~ 3.63V	1 Buck	2A	n/a	n/a	n/a	2MHz	140mΩ /100mΩ	SDI, DVC, FPWM	DFN
88PG852	88PG852	2.7V ~ 5.5V	0.9V ~ 3.3V	1 Buck	2A	n/a	n/a	n/a	3MHz	72mΩ /35mΩ	FPWM	DFN, WLCSP
88PG867	88PG867	2.7V ~ 5.5V	0.6V ~ 3.3V	2 Buck	3A	1A	n/a	n/a	2.2MHz	30mΩ /22mΩ	I2C, SLPn	QFN, WLCSP
88PG868	88PG868	2.7V ~ 5.5V	0.6V ~ 3.3V	2 Buck	3A	1A	n/a	n/a	1.1MHz	60mΩ /42mΩ	I2C, SLPn	QFN
88PG870	88PG870	2.7V ~ 5.5V	0.6V ~ 3.95V	1 Buck	6A	n/a	n/a	n/a	2MHz	45mΩ /18mΩ	I2C, SLPn, FPWM, DVC	QFN, WLCSP
88PG877	88PG877	3.0V ~ 5.5V	0.72V ~ 3.63V	1 Buck	5A	n/a	n/a	n/a	1MHz	9.5mΩ /7.5mΩ	SDI, DSP Switcher®	FcQFN
88PG878	88PG878	3.0V ~ 5.5V	0.72V ~ 3.63V	1 Buck	5A	n/a	n/a	n/a	1MHz	9.5mΩ /7.5mΩ	SDI, DSP Switcher®	FcQFN
88PH845	88PH845	4.5V ~ 15.7V	0.9V ~ 5.5V	1 Buck (High Voltage)	3A	n/a	n/a	n/a	500KHz	70mΩ /35mΩ	SDI, FPWM, DSP Switcher®	QFN

Power Management IC's

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)									
88PM801	88PM801-CBK2	2.7V to 4.8V	5	6	2A / 300mA	N/A	WLCSP-57, 0.4mm pitch	DVCs, Analog Tracking Buck Control, RTC, GPADCs	Yes
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)	Yes
88PM820	88PM812-EAD2	2.7V to 4.8V	5	14	3.5A / 400mA	HiFi Stereo Audio Codec with Headphone Amps, Earpiece Amp, 1W Loudspeaker Amp	6.28mm x 4.68mm BGA-133 (0.4mm pitch)	RTC, GPADCs, Watchdog Timer, PWM Vibrator, Fuel Gauge (Software)	No
88PM886	88PM886-EAD2	2.7V to 4.8V	5	16	3.5A / 400mA	HiFi Stereo Audio Codec with Class D audio amplifier and Battery Charger	6.28mm x 5.48mm eWLB-144 (0.4mm pitch)	RTC, GPADCs, Watchdog Timer, PWM Vibrator, Fuel Gauge (Software)	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
88SE9345 PCIe 2.0X4 to 4 SATA 6Gb/s Ports Without RAID	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 PCIe 2.0x2 to 4 SATA 6Gb/s Ports RAID Controller	88SE9230	4S	PCI-Express 2.0x2	Tag and Native Command	FIS-Based	Flash BIOS I/F	HW RAID 0/1	1w	9mm x 9mm	76-QFN	No	0.4mm	EV1-88SE9230
88SE9235 PCIe 2.0x2 to 4 SATA 6Gb/s Ports Without RAID	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 PCIe 2.0x1 to 4 SATA 6Gb/s Ports Without RAID	88SE9215	4S	PCI-Express 2.0x1	Tag and Native Command	FIS-Based	Flash BIOS I/F	N/A	1w	9mm x 9mm	76-QFN	No	0.4mm	EV1-88SE9215
88SE9170 PCIe 2.0x1 to 2 SATA 6Gb/s Ports Without RAID	88SE9170	2S	PCI Express 2.0 x1	Tag and Native Command	FIS-Based	Flash BIOS I/F	N/A	0.8w	7mm x 7mm	56-QFN	Yes	0.4mm	EV1-88SE9170
88SE9182 PCIe 2.0x2 to 2 SATA 6Gb/s Ports Without RAID	88SE9182	2S	PCI-Express 2.0x2	Tag and Native Command	FIS-Based	Flash BIOS I/F	N/A	0.8w	7mm x 7mm	56-QFN	Yes	0.4mm	EV1-88SE9182
88SE9220 PCIe 2.0x2 to 2 SATA 6Gb/s Ports RAID controller	88SE9220	2S	PCI-Express 2.0 x2	Tag and Native Command	FIS-Based	Flash BIOS I/F	HW RAID 0/1	1W	9mm x 9mm	76-QFN	No	0.4mm	EV1-88SE9220
88SE9130 PCIe 2.0x1 to 2 SATA 6Gb/s Ports RAID controller	88SE9130	2S	PCI-Express 2.0 x1	Tag and Native Command	FIS-Based	Flash BIOS I/F	HW RAID 0/1	1W	9mm x 9mm	76-QFN	No	0.4mm	EV1-88SE9130
88SE9128 PCIe 2.0x1 to 2 SATA 6Gb/s Ports (1 PATA Port) RAID controller	88SE9128	2S 1P	PCI-Express 2.0 x1	Tag and Native Command	FIS-Based	Flash BIOS I/F	HW RAID 0/1	1W	9mm x 9mm	76-QFN	No	0.4mm	EV1-88SE9128
88SE9120 PCIe 2.0x1 to 2 SATA 6Gb/s Ports (1 PATA Port) Without RAID	88SE9120	2S 1P	PCI-Express 2.0 x1	Tag and Native Command	FIS-Based	Flash BIOS I/F	N/A	1W	9mm x 9mm	76-QFN	Yes	0.4mm	EV1-88SE9120

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
88SE9125 PCIe 2.0x1 to 2 SATA 6Gb/s Ports Without RAID	88SE9125	2S	PCI-Express 2.0 x1	Tag and Native Command	FIS-Based	Flash BIOS I/F	N/A	1W	9mm x 9mm	76-QFN	Yes	0.4mm	EV1-88SE9125
88SE1475 PCIe 3.0x8 to 16 SATA 6Gb/s Ports Without RAID	88SE1475	16S	PCI-Express 3.0 x8	Tag and Native Command	FIS-Based	Flash BIOS I/F	N/A	9W	21mm x 21mm	625 HFCBGA	No	0.8mm	EV1-88SE1475
88SE9171 PCIe 2.0x1 to 1 SATA 6Gb/s Port	88SE9171	1S	PCI-Express 2.0x1	Tag and Native Command	FIS-Based	Flash BIOS I/F	N/A	0.8w	7mm x 7mm	56-QFN	Yes	0.4mm	EV1-88SE9171

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 PCIe 2.0x8 to 8 SAS/SATA 6Gb/s Ports RAID Controller	88RC9580	8	PCI-Express 2.0 x8	Tag and Native Command	Yes	Flash BIOS I/F	Yes	N/A	~8W	27mm x 27mm	676-FCBGA		1.0mm	DB1-88RC9580
88SE9548 PCIe 2.0x8 to 4 SAS/SATA 6Gb/s Ports RAID Controller	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 I/O 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 I/O 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

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
88SE1495 PCIe 3.0x8 to 16 Ports 12Gb/s SAS or 6Gb/s SATA Without RAID	88SE1495	16	PCI-Express 3.0 x8	Tag and Native Command	Yes	Flash BIOS I/F	Yes	N/A	9.5W	21mm x 21mm	625 HFCBGA		0.8mm	EV1-88SE1485
88SE1485 PCIe 3.0x8 to 8 Ports 12Gb/s SAS or 6Gb/s SATA Without RAID	88SE1485	8	PCI-Express 3.0 x8	Tag and Native Command	Yes	Flash BIOS I/F	Yes	N/A	7.5W	21mm x 21mm	625 HFCBGA		0.8mm	EV1-88SE1485

SATA Port Multiplier/Multiplexer

Storage Switching

Part Numbers	Port Count	Data Rate	Power	Package Size	Package Type	I-Temp	Evaluation Board Part Number
88SM9715 1 Port to 5 Port 6Gb/s SATA Port Multiplier With Enclosure Management	88SM9715	6	SATA 6Gb/s	0.88W	10mm x 10mm	84-QFP	Yes	EV1-88SM9715
88SM9705 1 Port to 5 Port 6Gb/s SATA Port Multiplier	88SM9705	6	SATA 6Gb/s	0.88W	10mm x 10mm	84-QFP	Yes	EV1-88SM9705

SATA Bridge

Storage Switching

Part Numbers	Port Count	Data Rate	Power	Package Size	Package Type	I-Temp	Evaluation Board Part Number
88SA8052 SATA/PATA Bridge	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

Part Number	SAS Port	SATA port	Data Rate	Internal Flash	Power	Package Size	Package Type	I-Temp	Evaluation Board Part Number
88SF9210 6Gb/s SAS to SATA Protocol Converter	88SF9210	2	2	SAS/SATA 6.0 Gb/s	N/A	1.35W	10mm x 10mm	84-QFN		DB1-88SF9210
88SF9110 6Gb/s SAS to SATA Protocol Converter	88SF9110	2	1	SAS/SATA 6.0 Gb/s	N/A	1.10W	10mm x 10mm	84-QFN		DB1-88SF9110
88SF9118 6Gb/s SAS to SATA Protocol Converter	88SF9118	2	1	SAS/SATA 6.0 Gb/s	N/A	1.25W	8mm x 11mm	117-TFBGA		DB1-88SF9118

Link Street® - Fast Ethernet Switches

SOHO Switching	Port Configuration	Number of Ports	2.5G	Number of (R)XAUI	SGMII / 1000Base X	GMII	RGMII	MII	RMII	100Base T	1000Base T	100Base FX
88E6020 4-Port FE Switch	2 PHYs 2 MII/RMII	4	0	0	0	0	1	2	2	2	0	1
88E6070 5-Port FE Switch	5 PHYs	5	0	0	0	0	0	0	0	5	0	1
88E6071 5-Port FE Switch	5 PHYs 2 RMII (or 1 MII/RGMII)	7	0	0	0	0	2	1	2	5	0	1
88E6085 10-Port FE Switch	8 PHYs 2 MII	10	0	0	0	0	0	2	0	8	0	0
88E6065/B 6-Port FE Switch	5 PHYs 1 MII or 4 PHYs 2 MII	6	0	0	0	0	0	2	2	5	0	2

Link Street® - Fast Gigabit Ethernet Switches

SOHO Switching	Port Configuration	Number of Ports	2.5G	Number of (R)XAUI	SGMII / 1000Base X	GMII	RGMII	MII	RMII	100Base T	1000Base T	100Base FX
88E6046 6-Port FE+GE Switch	4 FE PHYs GMII/RGMII/SGMII	6	0	0	2	1	0	2	0	4	0	0

Link Street® - Fast Gigabit Ethernet Switches

SOHO Switching

- 88E6240 — 7-Port FE+GE Switch
- 88E6097 — 11-Port FE+GE Switch
- 88E6097F — 11-Port FE+GE Switch
- 88E6290 — 11-Port AVB FE+GE Switch

Port Configuration	Number of Ports	2.5G	Number of (R)XAUI	SGMII / 1000Base X	GMII	RGMII	MII	RMII	100Base T	1000Base T	100Base FX
4 FE PHYs 1 GE PHY 1 Serdes 1 RGMII/MII/RMII 1 GMII/RGMII/MII/RMII	7	0	0	1	1	2	2	2	5	1	1
8 FE PHYs GMII/RGMII/SGMII	11	0	0	3	1	1	2	0	8	0	0
8 FE PHYs GMII/RGMII/SGMII	11	0	0	3	2	1	2	0	8	0	8
8 FE PHYs 1 RGMII/MII/RMII 2 2.5G Serdes/SGMII	11	2	0	2	0	1	1	1	8	0	0

Link Street® - Gigabit Ethernet Switches

SOHO Switching

- 88E6341 — 6-Port AVB GE Switch
- 88E6155 — 6-Port GE Switch

Port Configuration	Number of Ports	2.5G	Number of (R)XAUI	SGMII / 1000Base X	GMII	RGMII	MII	RMII	100Base T	1000Base T	100Base FX
4 GE PHYs 1 RGMII/MII/RMII 1 2.5G/1G SERDES	6	1	0	1	0	1	1	1	4	4	0
6 SerDes or 5 SerDes 1 GMII	6	0	0	6	1	0	1	0	0	0	0

Link Street® - Gigabit Ethernet Switches

SOHO Switching

Port Configuration	Number of Ports	2.5G	Number of (R)XAUI	SGMII / 1000Base X	GMII	RGMII	MII	RMII	100Base T	1000Base T	100Base FX
88E6352 7-Port AVB GE Switch	5 GE PHYs 1 Serdes 1 RGMII/MII/RMII 1 GMII/RGMII/MII/RMII	7	0	0	1	1	2	2	2	5	5	1
88E6321 7-Port AVB GE Switch	2 GE PHYs 3 RGMII/MII/RGMII 2 Serdes/SGMII	7	0	0	2	1	3	3	3	2	2	2
88E6185 10-Port GE Switch	10 SerDes or 9 SerDes 1 GMII	10	0	0	10	1	0	1	0	0	0	0
88E6390 11-Port AVB GE Switch, 8 GE PHYs + 1 RGMII/MII/RMII + 2 2.5G Serdes/SGMII	8 GE PHYs 1 RGMII/MII/RMII 2 2.5G Serdes/SGMII	11	2	0	2	0	1	1	1	8	8	0
88E6122 6-Port GE Switch	2 GE PHYs 3 SerDes 1 GMII	6	0	0	3	1	0	1	0	2	2	3
88E6131 8-Port GE Switch	3 GE PHYs 4 SerDes 1 GMII	8	0	0	4	1	0	1	0	3	3	4

Link Street® - Gigabit 10G Ethernet Switches

SOHO Switching

Port Configuration	Number of Ports	2.5G	Number of (R)XAUI	SGMII / 1000Base X	GMII	RGMII	MII	RMII	100Base T	1000Base T	100Base FX
88E6390X 11-Port AVB GE+10G Switch	8 GE PHYs 1 RGMII/MII/RMII 2 XAUI/RXAUI	11	2	2	8	0	1	1	1	8	8	0

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
Prestera-DX8110 10-Port 10Gigabit Ethernet Packet Processor	98DX8110-xx	10 XAUI	Layer 3	DB-DX3-6XG-4HGS, RD-DX3-48GE-4HGS	10	35mm x 35mm	1138-FCBGA	
Prestera-DXx24 24-Port Gigabit Ethernet Packet Processor	98DX324-A0-LKJ2C000, 98DX224-A0-LKJ2C000	6 QSGMII	Layer 2	RD-DX-24G-A RD-DX-22GE2C-A	24	14mm x 20mm	LQFP	No
Prestera-DXx16 16-Port Gigabit Ethernet Packet Processor	98DX316-A0-LKJ2C000, 98DX216-A0-LKJ2C000	4 QSGMII	Layer 2	RD-DX-16UNM	16	14mm x 20mm	LQFP	No
Prestera-DXx08 8-Port Gigabit Ethernet Packet Processor	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								
Prestera-CX8248	98CX8248	48 RXAUI	L3	RD-CX-48XG	48	40mm x 40mm	HFCBGA	
Prestera-CX8234	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												
Prestera-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	
Prestera-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	
Prestera-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	
Secure MAC/PHY												
Prestera 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	

Fast Ethernet (FE) PHY

Transceivers	Number of Ports	Optical (Line)	MACSec (LinkCrypt)	I-Temp	1-Step PTP (1588 v2)	10/100BASE-T	100BASE-FX	Mac Interfaces	RGMII	Core Voltage	Digital I/O	Analog Voltage	Internal Regulator	Virtual Cable Tester	Programmable LED	JTAG	RoHS 6/6, Green*	Production	Package Type
Single-Port Devices																			
88E3015 10/100BASE-T Fast Ethernet PHY	1	Yes	No	No	No	Yes	Yes	MII, RGMII	Yes	1.2V	2.5V/3.3V	2.5V	Yes	Yes	Yes	No	R	Yes	56-QFN
88E3016 10/100BASE-T Fast Ethernet PHY	1	Yes	No	No	No	Yes	Yes	RGMII	Yes	1.2V	2.5V/3.3V	2.5V	Yes	Yes	Yes	Yes	R	Yes	64-QFN
88E3018 10/100BASE-T Fast Ethernet PHY	1	Yes	No	Yes	No	Yes	Yes	MII, RGMII	Yes	1.2V	2.5V/3.3V	2.5V	Yes	Yes	Yes	Yes	R	Yes	64-QFN
88E3019 10/100BASE-T Fast Ethernet PHY	1	No	No	No	No	Yes	No	MII, RMII, RGMII	Yes	1.2V	2.5V/3.3V	2.5V	No	Yes	Yes	No	G	Yes	32-QFN
Octal-Port Devices																			
88E3082 10/100BASE-T Octal PHY	8	Yes	No	Yes	No	Yes	Yes	RMII, SMII, SSSMII, DDR-SSSMII	No	1.5V	2.5V/3.3V	2.5V	Yes	Yes	Yes	Yes	R	Yes	224-TFBGA
88E3083 10/100BASE-T Octal PHY	8	Yes	No	No	No	Yes	Yes	SMII, SSSMII, DDR-SSSMII	No	1.5V	2.5V/3.3V	2.5V	Yes	Yes	Yes	Yes	R	Yes	128-LQFP

1-Gigabit Ethernet (ALASKA®)

Transceivers

	Number of Ports	Optical (Line)	MACSec (LinkCrypt)	I-Temp	1-Step PTP (1588 v2)	2-Step PTP	SyncE	BASE-T Speeds (Cu)	Optical Line Interfaces (SGMII)	Mac Interfaces	Energy Efficient Ethernet	Core Voltage	Digital I/O	Analog Voltage	Internal Regulator	Integrated Passives	JTAG	Package Type
Single Port Devices																		
Alaska 88E1518 EEE 10/100/1000BASE-T PHY with RGMII	1	No	No	No	No	Yes	Yes	10M/100M/1G	None	RGMII , MII	Yes	1.0V	1.8V	1.8V/3.3V	Switching Regulator	Yes	No	48-QFN
Alaska 88E1514P EEE 10/100/1000BASE-T PHY with SGMII, Copper/Fiber Automedia Detect and Low-Latency (1Step-PTP) 1588 v2 support	1	No	No	No	Yes	Yes	Yes	10M/100M/1G	SGMII	No	Yes	1.0V	1.8V/2.5V/3.3V	1.8V/3.3V	Switch-cap Regulator	Yes	No	56-QFN
Alaska 88E1514 EEE 10/100/1000BASE-T PHY with SGMII, Copper/Fiber Automedia Detect	1	No	No	No	No	Yes	Yes	10M/100M/1G	None	SGMII	Yes	1.0V	1.8V/2.5V/3.3V	1.8V/3.3V	Switch-cap Regulator	Yes	No	56-QFN
Alaska 88E1512P EEE 10/100/1000BASE-T PHY with RGMII, SGMII, Copper/Fiber Automedia Detect and Low-Latency (1Step-PTP) 1588 v2 support	1	Yes	No	Yes	Yes	Yes	Yes	10M/100M/1G	SGMII, 100BASE-FX, 1000BASE-X, SFP	RGMII, SGMII, MII	Yes	1.0V	1.8V/2.5V/3.3V	1.8V/3.3V	Switch-cap Regulator	Yes	No	56-QFN
Alaska 88E1512 EEE 10/100/1000BASE-T PHY with RGMII, SGMII Copper/Fiber Automedia Detect	1	Yes	No	Yes	No	Yes	Yes	10M/100M/1G	SGMII, 100BASE-FX, 1000BASE-X, SFP	RGMII, SGMII	Yes	1.0V	1.8V/2.5V/3.3V	1.8V/3.3V	Switch-cap Regulator	Yes	No	56-QFN
Alaska 88E1510Q EEE 10/100/1000BASE-T PHY with RGMII and Low-Latency (1Step-PTP) 1588 v2 support	1	No	No	Yes	Yes	Yes	Yes	10M/100M/1G	None	RGMII, MII	Yes	1.0V	1.8V/2.5V/3.3V	1.8V/3.3V	Switch-cap Regulator	Yes	No	48-QFN
Alaska 88E1510P EEE 10/100/1000BASE-T PHY with RGMII and Low-Latency (1Step-PTP) 1588 v2 support	1	No	No	Yes	Yes	Yes	Yes	10M/100M/1G	None	RGMII, MII	Yes	1.0V	1.8V/2.5V/3.3V	1.8V/3.3V	Switch-cap Regulator	Yes	No	48-QFN
Alaska 88E1510 EEE 10/100/1000BASE-T PHY with RGMII	1	No	No	Yes	No	Yes	Yes	10M/100M/1G	None	RGMII	Yes	1.0V	2.5V/3.3V	1.8V/3.3V	Switching Regulator	Yes	No	48-QFN

1-Gigabit Ethernet (ALASKA®)

Transceivers	Number of Ports	Optical (Line)	MACSec (LinkCrypt)	I-Temp	1-Step PTP (1588 v2)	2-Step PTP	SyncE	BASE-T Speeds (Cu)	Optical Line Interfaces (SGMII)	Mac Interfaces	Energy Efficient Ethernet	Core Voltage	Digital I/O	Analog Voltage	Internal Regulator	Integrated Passives	JTAG	Package Type
Alaska 88E1112 10/100/1000BASE-T PHY with Dual SERDES/SGMII	1	Yes	No	Yes	No	No	No	10M/100M/1G	100BASE-FX, 1000BASE-X, SFP	SGMII	No	1.2V	2.5V	2.5V	No	No	No	64-QFN
Alaska 88E1111 10/100/1000BASE-T PHY with multiple MAC Interfaces	1	Yes	No	Yes	No	No	No	10M/100M/1G	SGMII, 100BASE-FX, 1000BASE-X, SFP	RGMII, SGMII, GMII, MII,TBI, RTBI	No	1.0V/1.2V	2.5V	2.5V	No	No	Yes	Multiple Packages
Quad-Port Devices																		
Alaska 88E1548P EEE 100/100/1000BASE-T PHY with QSGMII	4	Yes	Yes	Yes	Yes	Yes	Yes	10M/100M/1G	SGMII, 100BASE-FX, 1000BASE-X, SFP	SGMII, QSGMII	Yes	1.0V	1.2V/1.8V/ 2.5V/3.3V	1.8V/3.3V	No	Yes	Yes	15mm x 15mm 196-pin TFBGA
Alaska 88E1548M EEE 100/100/1000BASE-T PHY with SGMII plus MACSec, Automedia Detect	4	Yes	Yes	No	No	Yes	Yes	10M/100M/1G	SGMII, 100BASE-FX, 1000BASE-X, SFP	SGMII, QSGMII	Yes	1.0V	1.2V/1.8V/ 2.5V/3.3V	1.8V/3.3V	No	Yes	Yes	196-TFBGA
Alaska 88E1548 EEE 100/100/1000BASE-T PHY with QSGMII	4	Yes	No	No	No	No	No	10M/100M/1G	SGMII, 100BASE-FX, 1000BASE-X, SFP	SGMII, QSGMII	Yes	1.0V	1.2V/1.8V/ 2.5V/3.3V	1.8V/3.3V	No	Yes	Yes	15mm x 15mm 196-pin TFBGA
Alaska 88E1545M EEE 100/100/1000BASE-T PHY with QSGMII plus MACSec	4	No	Yes	No	No	No	No	10M/100M/1G	None	QSGMII	Yes	1.0V	1.2V/1.8V/ 2.5V/3.3V	1.8V/3.3V	No	Yes	Yes	128-LQFP
Alaska 88E1545 EEE 100/100/1000BASE-T PHY with QSGMII	4	No	No	No	No	No	No	10M/100M/1G	None	QSGMII	Yes	1.0V	1.2V/1.8V/ 2.5V/3.3V	1.8V/3.3V	No	Yes	Yes	128-LQFP
Alaska 88E1543M EEE 100/100/1000BASE-T PHY with SGMII plus MACSec	4	Yes	Yes	No	No	No	No	10M/100M/1G	SGMII, 100BASE-FX, 1000BASE-X, SFP	SGMII	Yes	1.0V	2.5V/3.3V	1.8V/3.3V	No	Yes	Yes	128-LQFP
Alaska 88E1543 EEE 100/100/1000BASE-T PHY with SGMII	4	Yes	No	No	No	No	No	10M/100M/1G	SGMII, 100BASE-FX, 1000BASE-X, SFP	SGMII	Yes	1.0V	2.5V/3.3V	1.8V/3.3V	No	Yes	Yes	128-LQFP

1-Gigabit Ethernet (ALASKA®)

Transceivers	Number of Ports	Optical (Line)	MACSec (LinkCrypt)	I-Temp	1-Step PTP (1588 v2)	2-Step PTP	SyncE	BASE-T Speeds (Cu)	Optical Line Interfaces (SGMII)	Mac Interfaces	Energy Efficient Ethernet	Core Voltage	Digital I/O	Analog Voltage	Internal Regulator	Integrated Passives	JTAG	Package Type
Alaska 88E1540M EEE 100/100/1000BASE-T PHY with QSGMII plus MACSec	4	No	Yes	No	No	Yes	Yes	10M/100M/1G	None	QSGMII	Yes	1.0V	1.2V/1.8V/ 2.5V/3.3V	1.8V/3.3V	No	Yes	Yes	196-TFBGA
Octal-Port-Devices																		
Alaska 88E1685 EEE 10/100/1000BASE-T PHY with QSGMII	8	No	No	No	No	No	No	10M/100M/1G	No	QSGMII	Yes	0.9V	1.2V/1.8V/ 2.5V/3.3V	1.5V/1.8V	No	Yes	Yes	128-LQFP
Alaska 88E1680M EEE 10/100/1000BASE-T PHY with QSGMII plus MACSec, PTP, SyncE	8	No	Yes	No	Yes	Yes	Yes	10M/100M/1G	No	QSGMII	Yes	0.9V	1.2V/1.8V/ 2.5V/3.3V	1.5V/1.8V	No	Yes	Yes	128-LQFP
Alaska 88E1680 EEE 10/100/1000BASE-T PHY with QSGMII, MACSec, PTP, SyncE	8	No	No	No	No	Yes	Yes	10M/100M/1G	No	QSGMII	Yes	0.9V	1.2V/1.8V/ 2.5V/3.3V	1.5V/1.8V	No	Yes	Yes	128-LQFP

10-Gigabit Ethernet (ALASKA® X)

Transceivers	Number of Ports	Optical (Line)	MACSec (LinkCrypt)	I-Temp	1-Step PTP (1588 v2)	Supported Speeds	Host Interfaces	Optical Interface	Optical Module Types	Direct Attach Copper	SyncE	Energy Efficient Ethernet	Core Voltage	Digital I/O	Analog Voltage	Reference Clock	Package Type
Copper (Base-T) PHYs																	
Alaska X 88X3340P Quad EEE 10/100/1G/2.5G/5G/10GBASE-T PHY with XFI, MACSec, PTP	4	Yes	Yes	No	Yes	10G, 5G, 2.5G, 1G, 100M, 10M	USXGMII, XFI, RXAUI, 5GBASE-R, 2500BASE-X, SGMII	XFI/SFI	10GBASE-SR/ER/LR, 1000BASE-SX/LX	Yes	Yes	Yes	0.80V	1.2V/1.5V/ 1.8V/2.5V /3.3V	1.5V, 1.8V/2.0V, 2.3V/2.5V	50, 156.25 MHz	484-HFCBGA

10-Gigabit Ethernet (ALASKA® X)

Transceivers

	Number of Ports	Optical (Line)	MACSec (LinkCrypt)	I-Temp	1-Step PTP (1588 v2)	Supported Speeds	Host Interfaces	Optical Interface	Optical Module Types	Direct Attach Copper	SyncE	Energy Efficient Ethernet	Core Voltage	Digital I/O	Analog Voltage	Reference Clock	Package Type
Alaska X 88X3340 Quad EEE 10/100/1G/2.5G/5G/10GBASE-T PHY with XFI	4	Yes	No	No	No	10G, 5G, 2.5G, 1G, 100M, 10M	USXGMII, XFI, RXAUI, 5GBASE-R, 2500BASE-X, SGMII	XFI/SFI	10GBASE-SR/ER/LR, 1000BASE-SX/LX	Yes	Yes	Yes	0.80V	1.2V/1.5V/ 1.8V/2.5V /3.3V	1.5V, 1.8V/2.0V, 2.3V/2.5V	50, 156.25 MHz	484-HFCBGA
Alaska X 88X3310P Single EEE 10/100/1G/2.5G/5G/10GBASE-T PHY with XFI, MACSec, PTP	1	Yes	Yes	No	Yes	10G, 5G, 2.5G, 1G, 100M, 10M	USXGMII, XFI, RXAUI, XAUI, 5GBASE-R, 2500BASE-X, SGMII	XFI/SFI	10GBASE-SR/ER/LR, 1000BASE-SX/LX	Yes	Yes	Yes	0.80V	1.2V/1.5V/ 1.8V/2.5V /3.3V	1.5V, 1.8V/2.0V, 2.3V/2.5V	50, 156.25 MHz	168-HFCBGA
Alaska X 88X3310 Single EEE 10/100/1G/2.5G/5G/10GBASE-T PHY with XFI	1	Yes	No	No	No	10G, 5G, 2.5G, 1G, 100M, 10M	USXGMII, XFI, RXAUI, XAUI, 5GBASE-R, 2500BASE-X, SGMII	XFI/SFI	10GBASE-SR/ER/LR, 1000BASE-SX/LX	Yes	Yes	Yes	0.80V	1.2V/1.5V/ 1.8V/2.5V /3.3V	1.5V, 1.8V/2.0V, 2.3V/2.5V	50, 156.25 MHz	168-HFCBGA
Alaska X 88X3240P Quad EEE 10/100/1G/10GBASE-T PHY with XFI, MACSec, PTP	4	Yes	Yes	No	Yes	10G, 1G, 100M, 10M	XFI, RXAUI, SGMII	XFI/SFI	10GBASE-SR/ER/LR, 1000BASE-SX/LX	Yes	Yes	Yes	0.80V	1.2V/1.5V/ 1.8V/2.5V /3.3V	1.5V, 2.0V, 2.5V	50, 156.25 MHz	484-HFCBGA
Alaska X 88X3240 Dual EEE 10/100/1G/10GBASE-T PHY with XFI	4	Yes	No	No	No	10G, 1G, 100M, 10M	XFI, RXAUI, SGMII	XFI/SFI	10GBASE-SR/ER/LR, 1000BASE-SX/LX	Yes	Yes	Yes	0.80V	1.2V/1.5V/ 1.8V/2.5V /3.3V	1.5V, 2.0V, 2.5V	50, 156.25 MHz	484-HFCBGA
Alaska X 88X3220P Dual EEE 10/100/1G/10GBASE-T PHY with XFI, MACSec, PTP	2	Yes	Yes	No	Yes	10G, 1G, 100M, 10M	XFI, RXAUI, SGMII	XFI/SFI	10GBASE-SR/ER/LR, 1000BASE-SX/LX	Yes	Yes	Yes	0.80V	1.2V/1.5V/ 1.8V/2.5V /3.3V	1.5V, 2.0V, 2.5V	50, 156.25 MHz	256-HFCBGA
Alaska X 88X3220 Dual EEE 10/100/1G/10GBASE-T PHY with XFI	2	Yes	No	No	No	10G, 1G, 100M, 10M	XFI, RXAUI, SGMII	XFI/SFI	10GBASE-SR/ER/LR, 1000BASE-SX/LX	Yes	Yes	Yes	0.80V	1.2V/1.5V/ 1.8V/2.5V /3.3V	1.5V, 2.0V, 2.5V	50, 156.25 MHz	256-HFCBGA

10-Gigabit Ethernet (ALASKA® X)

Transceivers

	Number of Ports	Optical (Line)	MACSec (LinkCrypt)	I-Temp	1-Step PTP (1588 v2)	Supported Speeds	Host Interfaces	Optical Interface	Optical Module Types	Direct Attach Copper	SyncE	Energy Efficient Ethernet	Core Voltage	Digital I/O	Analog Voltage	Reference Clock	Package Type
Fiber/Backplane PHYs																	
Alaska X 88X2242 40G/Quad-10G EDC PHY	4	Yes	No	No	Yes	40G, 10G, 1G	XLAUI, XFI, XAUI, RXAUI	SFI, XLPPI	40GBASE-SR4/LR4, 10GBASE-SR/ER/LR, 10GBASE-SW/EW/LW, 10GBASE-LRM, 1000BASE-SX/LX	Yes	Yes	No	1.0V	1.5V/1.8V/2.5V/3.3V	1.1V/1.5V	156.25, 155.52 MHz	324-FCBGA
Alaska X 88X2222 Dual-10G EDC PHY with MacSec	2	Yes	No	No	No	10G, 1G	XAUI, RXAUI, XFI	SFI	10GBASE-SR/ER/LR, 10GBASE-SW/EW/LW, 10GBASE-LRM, 1000BASE-X	Yes	Yes	No	1.0V	1.5V/1.8V/2.5V/3.3V	1.1V/1.5V	156.25156.25, 155.52 MHz	324-FCBGA
Alaska X 88X2242M 40G/Quad-10G EDC PHY with MacSec	4	Yes	Yes	No	No	40G, 10G, 1G	XLAUI, XFI, XAUI, RXAUI	SFI, XLPPI	40GBASE-SR4/LR4, 10GBASE-SR/ER/LR, 10GBASE-SW/EW/LW, 10GBASE-LRM, 1000BASE-SX/LX	Yes	Yes	No	1.0V	1.5V/1.8V/2.5V/3.3V	1.1V/1.5V	156.25, 155.52 MHz	324-FCBGA
Alaska X 88X2222M Dual-10G EDC PHY with MacSec	2	Yes	Yes	No	No	10G, 1G	XAUI, RXAUI, XFI	SFI	10GBASE-SR/ER/LR, 10GBASE-SW/EW/LW, 10GBASE-LRM, 1000BASE-X	Yes	Yes	No	1.0V	1.5V/1.8V/2.5V/3.3V	1.1V/1.5V	156.25156.25, 155.52 MHz	324-FCBGA
Alaska X 88X2242P 40G/Quad-10G EDC PHY with MacSec and PTP	4	Yes	Yes	No	Yes	10G, 1G	XAUI, RXAUI, XFI, KR	SFI	10GBASE-SR/ER/LR, 10GBASE-SW/EW/LW, 10GBASE-LRM, 1000BASE-X	Yes	Yes	No	1.0V	1.5V/1.8V/2.5V/3.3V	1.1V/1.5V	156.25, 155.52 MHz	324-FCBGA
Alaska X 88X2222P Dual-10G EDC PHY with MacSec, and PTP	2	Yes	Yes	No	Yes	10G, 1G	XAUI, RXAUI, XFI, KR	SFI	10GBASE-SR/ER/LR, 10GBASE-SW/EW/LW, 10GBASE-LRM, 1000BASE-X	Yes	Yes	No	1.0V	1.5V/1.8V/2.5V/3.3V	1.1V/1.5V	156.25156.25, 155.52 MHz	324-FCBGA

NBASE-T Multispeed Ethernet (ALASKA® N)

Transceivers

	Number of Ports	Optical (Line)	MACSec (LinkCrypt®)	I-Temp	1-Step PTP (1588 v2)	SyncE	BASE-T Speeds (Copper)	Host Interfaces	Energy Efficient Ethernet	Core Voltage	Digital I/O	Analog Voltage	JTAG	Reference Clock	Package Type
88E2040P Quad EEE 10/100/1G/2.5G/5GBASE-T PHY with MACSec, PTP	4	No	Yes	No	Yes	Yes	5G, 2.5G, 1G, 100M, 10M	USXGMII, XFI, RXAUI, 5GBASE-R, 2500BASE-X, SGMII	Yes	0.80V	1.2V/1.5V/ 1.8V/2.5V/3.3 V	1.5V, 2.0/1.8V, 2.3V/2.50V	Yes	50, 156.25 MHz	484-HFCBGA
88E2040 Quad EEE 10/100/1G/2.5G/5GBASE-T PHY	4	No	No	No	No	No	Yes	5G, 2.5G, 1G, 100M, 10M	USXGMII, XFI, RXAUI, 5GBASE-R, 2500BASE-X, SGMII	Yes	0.80V	1.2V/1.5V/ 1.8V/2.5V/3.3 V	1.5V, 2.0/1.8V, 2.3V/2.50V	Yes	50, 156.25 MHz	484-HFCBGA
88E2010P Single EEE 10/100/1G/2.5G/5GBASE-T PHY with MACSec, PTP	1	No	Yes	No	Yes	Yes	5G, 2.5G, 1G, 100M, 10M	USXGMII, XFI, RXAUI, 5GBASE-R, 2500BASE-X, SGMII	Yes	0.80V	1.2V/1.5V/ 1.8V/2.5V/3.3 V	1.5V, 2.0/1.8V, 2.3V/2.50V	Yes	50, 156.25 MHz	168-HFCBGA
88E2010 Single EEE 10/100/1G/2.5G/5GBASE-T PHY	1	No	No	No	No	No	Yes	5G, 2.5G, 1G, 100M, 10M	USXGMII, XFI, RXAUI, 5GBASE-R, 2500BASE-X, SGMII	Yes	0.80V	1.2V/1.5V/ 1.8V/2.5V/3.3 V	1.5V, 2.0/1.8V, 2.3V/2.50V	Yes	50, 156.25 MHz	168-HFCBGA

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 #
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												
88DE8020 Single Chip Hybrid Demodulator for DVB-T/C/NTSC/PAL/SECAM	88DE8020	1	1	Not Applicable	None	Not Required	Not Required		7mm x 7mm	48-QFN			88DE8020XX-NNB2C000
88DE8010 Single Chip Hybrid Demodulator for DVB-T/C/NTSC/PAL/SECAM	88DE8010	1	1	Not Applicable	None	Not Required	Not Required		7mm x 7mm	48-QFN			88DE8010-XX-NNB2C000
88DE8500 Single Chip Hybrid Tuner for Worldwide markets	88DE8500	1	1	Not Applicable	None	Not Required	Not Required		5mm x 5mm	32-QFN			88DE8500-A7-NAJ2C000

AVASTAR™

Wireless

Part Number	Wireless Technologies Support	Interface Support	Package Type	Package Size	Ball Pitch	Embedded CPU	Temp	Evaluation Boards	Process
AVASTAR 8900 Family									
88W8997	88W8997	802.11 a/b/g/n/ac 2x2 + BT 4.0, Dual-mode	PCIE, SDIO 3.0, USB 3.0/2.0, UART	QFN, CSP	9mm x 9mm & Chip Scale	400um, 350um	Yes	-30 to +85C	RD-88W-8997-PCIe/SD/USB	28nm
88W8977	88W8977	802.11 a/b/g/n/ac 1x1 + BT 4.0, Dual-mode	SDIO 3.0, UART	QFN, eWLP	8mm x 8mm & Wafer-Level	400um	Yes	-30 to +85C	RD-88W-8977e/Q	28nm
88W8964	88W8964	802.11 a/b/g/n/ac 4x4	PCIE, UART	aQFN	11.8mm x 11mm	650um	Yes	0 to +70C	RD-88W-AP8964-DR2	28nm
AVASTAR 8800 Family									
88W8897	88W8897	802.11 a/b/g/n/ac 2x2 + BT 4.0, Dual-mode	PCIE, SDIO 3.0, USB 2.0, UART	QFN, CSP	9.5mm x 11mm & Chip Scale	400um	Yes	-30 to +85C	RD-88W-8897PCIe/SD	40nm
88W8887	88W8887	802.11a/b/g/n/ac 1x1 + BT 4.0 Dual-mode	SDIO 3.0, UART	QFN, CSP	9mm x 9mm & Chip Scale	400um	Yes	-30 to +85C	RD-88W-8887-AGC/Q	40nm
88W8864	88W8864	802.11 a/b/g/n/ac 4x4	PCIE, UART	aQFN	11.8mm x 11mm	800um	Yes	0 to +70C	RD-88W-AP-8864DR2	40nm
88W8801	88W8801	802.11a/b/g/n 1x1 Dual-mode	SDIO 3.0, USB 2.0	QFN	6mm x 6mm	400um	Yes	-30 to +85C	RD-88W-SD/USB 8801	40nm

Marvell

Founded in 1995, Marvell has operations worldwide and more than 5,300 employees. Marvell's U.S. operating subsidiary is based in Santa Clara, California and Marvell has international design centers located in China, Europe, Israel, and the U.S. A leading semiconductor company, Marvell's diverse product portfolio aligns complete platform designs with industry-leading performance, security, reliability and efficiency. At the core of the world's most powerful consumer, network and enterprise systems, Marvell empowers partners and their customers to always stand at the forefront of innovation, performance and mass appeal. By providing people around the world with mobility and ease of access to services adding value to their social, personal and work lives, Marvell is committed to enhancing the human experience.

Key Markets

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 adaptors 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."

INTERNET OF THINGS (IoT): Marvell offers flexible, high-performance platforms that enable OEMs and ODMs to quickly and cost effectively reach the market with new, innovative products in this rapidly growing space. Marvell provides a range of silicon and software solutions from quick prototyping with our Kinoma software platform to mass production applications such as wearables, home automation, home security, smart appliances, personal healthcare, automotive, and industrial, among others.

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.

Contact Us

For additional information, please visit our website at www.marvell.com/sales for a Marvell sales office or representative in your area.

KEY FACTS

Founded: 1995

Stock Symbol: MRVL (NASDAQ)

President and Chief Executive Officer: Mr. Matt Murphy

Worldwide Employment: More than 5,300

Net Revenues: $3.7 billion (fiscal 2015, ended February 1, 2015)

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