Link Street
Ethernet Switches

For SOHO and SMB applications

Link Street SOHO

The Marvell® Link Street® family of integrated networking devices are specifically designed for the Small Office/Home Office (SOHO) and Small to Medium Business (SMB) markets. Link Street Gigabit and Fast Ethernet switches offer ideal switch configurations and functionality for products where cost, ease-of-use and flexibility are of paramount importance.

Link Street Gigabit Switches integrate a high-performance non-blocking gigabit switch fabric with four or eight priority queues, a high-speed lookup engine, multiple GMII Gigabit Ethernet interface ports, and 1 or 2 Mb of packet memory. Other advanced features include IEEE 802.1p/IPv4/IPv6 traffic classification and port-based VLANs.

The Link Street Fast Ethernet switches integrate multiple independent Fast Ethernet Media Access Controllers (MACs), Fast Ethernet or Gigibit Ethernet PHYs, a high-speed non-blocking switch fabric, a high-performance address lookup engine, and embedded frame memory. These devices enable PCs and IP phones to connect through a broadband Internet access pipeline (DSL modem, cable modem, or fiber Wide Area Network [WAN]) to the Internet, with all ports switched at wire full speed.

The Marvell SOHO switches with integrated PHYs build upon proven Marvell physical layer (PHY) technology, incorporate the advanced features such as smart power management, which dramatically reduces power consumption by more than 50% and Virtual Cable Tester® (VCT) technology, which performs cable diagnostics to reduce overall network support costs. These enhanced features make these switches ideal for applications such as standalone switches, media converters, IP phones, firewall appliances, wireless and wired gateway routers, and wireless access points and industrial automation.

For applications that require extended temperature range support, such as aggregators, gateways and network terminals that are placed outdoors and are subjected to harsh environments, Marvell also offers a range of Industrial Grade switches that can operate between -40°C and +85°C.

Product Families

Product Documentation

⬩ 88E6393X Product Brief

From the Marvell Blog

Versatile New Ethernet Switch Simultaneously Addresses Multiple Industry Sectors

Additional Information

Additional product information is available under NDA on the Marvell Extranets. To contact Marvell Sales, please submit your inquiry via request for information below.

REQUEST FOR INFORMATION

Fast Ethernet Switch

PART NUMBER	DESCRIPTION	I-TEMP
88E6020	4-Port FE Switch, 2 PHYs + 2 MII/RMII	Yes
88E6220	4-Port AVB FE Switch, 2 PHYs + 2 MII/RMII	Yes
88E6070	5-Port FE Switch, 5 PHYs	No
88E6071	5-Port FE Switch, 5 PHYs, 5 PHYs + 2 RMII (or 1 MII/RGMII)	Yes
88E6250	5-Port AVB FE Switch, 5 PHYs, 5 PHYs + 2 RMII (or 1 MII/RGMII)	Yes
88E6085	10-Port FE Switch, 5 PHYs, 8 PHYs + 2 MII	Yes
88E6065/B	6-Port FE Switch, 5 PHYs + 1 MII or 4 PHYs + 2 MII	Yes

Fast + Gigabit Ethernet Switch

PART NUMBER	DESCRIPTION	I-TEMP
88E6046	6-Port FE+GE Switch, 4 FE PHYs + GMII/RGMII/SGMII	Yes
88E6240	7-Port FE+GE Switch, 4 FE PHYs + 1 GE PHY + 1 Serdes + 1 RGMII/MII/RMII	No
88E6096	11-Port FE+GE Switch, 8 FE PHYs + GMII/RGMII/ SGMII	No
88E6097	11-Port FE+GE Switch, 8 FE PHYs + GMII/RGMII/ SGMII	Yes
88E6097F	11-Port FE+GE Switch, 8 FE PHYs + GMII/RGMII/ SGMII	Yes
88E6290	11-Port AVB FE+GE Switch, 4 FE PHYs + GMII/RGMII/SGMII	Yes

Gigabit Ethernet Switch

PART NUMBER	DESCRIPTION	I-TEMP
88E6141	6-Port GE Switch, 4 GE PHYs + 1 RGMII/MII/RMII + 1 2.5G Serdes/SGMII	No
88E6341	6-Port AVB GE Switch, 4 GE PHYs + 1 RGMII/MII/RMII + 1 2.5G Serdes/SGMII	Yes
88E6155	6-Port GE Switch, 6 SerDes or 5 SerDes + 1 GMII	No

PART NUMBER	DESCRIPTION	I-TEMP
88E6172	7-Port GE Switch, 5 GE PHYs + 1 RGMII/MII/RMII + 1 GMII/RGMII/MII/RMII	Yes
88E6176	7-Port GE Switch, 5 GE PHYs + 1 Serdes + 1 RGMII/MII/RMII + 1 GMII/RGMII/MII/RMII	Yes
88E6352	7-Port AVB GE Switch, 5 GE PHYs + 1 Serdes + 1 RGMII/MII/RMII + 1 GMII/RGMII/MII/RMII	Yes
88E6320	7-Port AVB GE Switch, 2 GE PHYs + 3 RGMII/MII/RGMII + 2 Serdes/SGMII	No
88E6321	7-Port AVB GE Switch, 2 GE PHYs + 3 RGMII/MII/RGMII + 2 Serdes/SGMII	Yes
88E6185	10-Port GE Switch, 10 SerDes or 9 SerDes + 1 GMII	Yes
88E6190	11-Port GE Switch, 8 GE PHYs + 1 RGMII/MII/RMII + 2 2.5G Serdes/SGMII	No
88E6390	11-Port AVB GE Switch, 8 GE PHYs + 1 RGMII/MII/RMII + 2 2.5G Serdes/SGMII	Yes
88E6122	6-Port GE Switch, 8 GE PHYs, 2 GE PHYs + 3 SerDes + 1 GMII	Yes
88E6131	8-Port GE Switch, 8 GE PHYs, 3 GE PHYs + 4 SerDes + 1 GMII	Yes

Gigabit + 10G Ethernet Switch

PART NUMBER	DESCRIPTION	I-TEMP
88E6190X	11-Port GE+10G Switch, 8 GE PHYs + 1 RGMII/MII/RMII + 2 XAUI/RXAUI	No
88E6390X	11-Port AVB GE+10G Switch, 8 GE PHYs + 1 RGMII/MII/RMII + 2 XAUI/RXAUI	Yes
88E6393X	11-Port AVB GE+10G Switch, 8 GE PHYs + 3XFI/SFI	Yes

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