

Products

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Link Street SOHO

The Marvell Link Street family of integrated networking devices are specifically designed for the Small Office/Home Office (SOHO) market and enterprise desktop switching market. 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 gigabit non-blocking switch fabric with four priority queues, a high-speed lookup engine, multiple GMII Gigabit Ethernet interface ports, and 1Mb 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), multiple 10BASE-T/100BASE-TX transceivers (PHYs), a high-speed non-blocking switch fabric, a high-performance address lookup engine, and an 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 100 Megabits per second (Mbps) bandwidth Ethernet.

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.

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.

Products

Fast Ethernet

Part Number	Description	I-Temp	Documentation
88E6031	3-Port Fast Ethernet Switch	No	
88E6035	Advanced feature 3-Port Fast Ethernet Switch	No	
88E6060	6-Port Fast Ethernet Switch	Yes	Product Brief Datasheet
88E6061	6-Port Fast Ethernet Switch w/ QoS, 802.1Q	Yes	
88E6061B	6-Port Fast Ethernet Switch w/ QoS, 802.1Q, and Switch Bypass	Yes	
88E6063	7-Port Fast Ethernet Switch w/ QoS, SNMP, 802.1Q	Yes	Product Brief
88E6065	Advanced Feature 6-Port Fast Ethernet Managed Switch	Yes	
88E6065B	Advanced Feature 6-Port Fast Ethernet Managed Switch with Switch Bypass	Yes	
88E6083	10-Port Fast Ethernet Managed Switch	Yes	Product Brief
88E6085	Advanced Feature 10-Port Fast Ethernet Managed Switch	Yes	

FE + GE

Part Number	Description	I-Temp	Documentation
88E6045	4-Port FE + 2-Port GE Ethernet Managed Switch	No	
88E6045F	4-Port FE + 2-Port GE Ethernet Managed Switch	No	
88E6046	Advanced Feature 4-Port FE + 2-Port GE Ethernet Switch	Yes	
88E6046F	Advanced Feature 4-Port FE + 2-Port GE Ethernet Switch	Yes	
88E6092	8-Port FE + 3-Port GE Smart/Unmanaged Switch	No	Product Brief
88E6095	8-Port FE + 3-Port GE Managed Switch	Yes	Product Brief
88E6095F	8-Port FE + 3-Port GE Managed Switch	Yes	Product Brief
88E6096	8-Port FE + 3-Port GE Managed Switch	No	
88E6097	Advanced Feature 8-Port FE + 3-Port GE Managed Switch	Yes	
88E6097	Advanced Feature 8-Port FE + 3-Port GE Managed Switch	Yes	
88E6097F	Advanced Feature 8-Port FE + 3-Port GE Managed Switch	Yes	

Gigabit Ethernet

Part Number	Description	I-Temp	Documentation
88E6121	3 Port GE Switch w/ 2 integrated GE PHYs, GMII/MII	Yes	
88E6122	6 Port GE Switch w/ 2 integrated GE PHYs, 3 SGMI, GMII/MII	Yes	
88E6123	3-Port GE Switch w/ 2 integrated PHYs, Jumbo Frames	No	
88E6131	8 Port GE Switch w/ 3 integrated GE PHYs, 4 SGMI, GMII/MII	Yes	
88E6152	6-Port GE Smart/Unmanaged Switch	No	Product Brief
88E6155	6-Port GE Managed Switch	No	Product Brief
88E6161	6-Port GE Switch w/ 5 integrated PHYs	No	
88E6165	Advanced Feature 6-Port GE Switch w/ 5 integrated PHYs	No	
88E6182	10-Port GE Smart/Unmanaged Switch	No	Product Brief
88E6185	10-Port GE Stackable Managed Switch	Yes	Product Brief
88E6350R	7 Port AVB Gigabit Ethernet Switch with 5 Integrated 10/100/1000 PHYs		Product Brief

Product Selector Guide

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PRODUCTS

- Processors
- Storage
- ▾ Switching
 - Prestera DX
 - Prestera EX/MX
 - Prestera CX
 - Link Street
- Digital Entertainment
- Broadband
- Green Technology
- PC Connectivity
- Transceivers
- System Controllers
- Powerline Communications