

8-port Ethernet and 2-port Fiber Optic Switch



Overview

8 Port Fiber Switch 10/100/1000M RJ45 and 2-port This switch provides 8-port 10/100/1000M RJ45 and 2-port 1000M SFP fiber MCSESM103F2CU0 This managed switc.

Key Takeaways

A switch with 8 Ethernet ports and 2 fiber optic ports combines standard RJ45 connectivity with long-distance fiber links, offering flexible, high-speed network integration.

Overview

This type of switch is a hybrid Ethernet device that supports both copper-based Ethernet connections and fiber optic links, allowing seamless integration between local area networks (LANs) and long-distance or high-speed fiber networks (). The 8 Ethernet ports typically support 10/100/1000 Mbps speeds, while the 2 fiber optic ports (often SFP slots) support single-mode or multi-mode fiber, enabling transmission distances from 2 km (multi-mode) up to 20 km (single-mode) depending on the module used (). Key FeaturesHigh-Speed Performance: Gigabit Ethernet support ensures fast data transfer and low latency for connected devices ().

Fiber Optic Versatility: Fiber ports allow long-distance connections, ideal for linking remote buildings, campus networks, or IP camera systems ().

Plug-and-

Play Integration: Many models are easy to deploy with minimal configuration, supporting IEEE 802.3 standards for Ethernet and fiber ().

Po

E Support (Optional): Some switches provide Power over Ethernet on the RJ45 ports, supplying up to 30W per port for devices like IP cameras or access points ().

Compact and Energy-

Efficient: Designed for DIN rail or rack mounting, with low power consumption (typically 5–8 W) and small footprint (). Applications FTTH, FTTx, FTTB Networks: Ideal for fiber-to-the-home or fiber-to-the-building deployments ().

Campus LA

Ns: Connect multiple buildings or floors using fiber uplinks while maintaining Ethernet access for end devices (). Security and Surveillance: Power and connect IP cameras over Ethernet while using fiber for backbone transmission (). Industrial Networks: Ruggedized models support medium-complexity networks with enhanced cyber security and network management ().

Technical Considerations

Fiber Type: Choose single-mode SFP modules for long-distance links (up to 20 km) and multi-mode SFP for short indoor connections (up to 2 km) (). Standards Compliance: Most switches comply with IEEE 802.3, 802.

3u, 802.3ab, and 802.3z standards, ensuring compatibility with existing network equipment ().

Power Requirements: Typically operate on DC 5–24 V, with some models supporting PoE for connected devices (). Network Management: Managed switches offer advanced features like VLANs, QoS, and enhanced security, while unmanaged switches provide simple plug-and-play connectivity (). This combination of Ethernet and fiber ports makes the switch a versatile solution for networks requiring both local device connectivity and high-speed, long-distance backbone links.

Article Content

MCSESM103F2CU0

This managed switch comes with Ethernet TCP/IP protocol. It comes with 8 copper cable transmission ports and 2 ports for multimode fiber optic. It provides simple and complex connectivity for multiple

8 Port 10Gb SFP+ Web Managed Fiber Switch | Multi-Gig 10G-2.5G

□10Gb Super-Fast Fiber Switch□This 10 gigabit switch features 8 x 10G SFP+ ports and 160Gbps switching capacity, providing higher-speed connectivity for your devices and allowing you to easily

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Developed for long distance fiber installations. Equipped with eight SFP+ ports, two additional SFP28 ports and one RJ45 console port for configuration. With AXIS

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Our Ethernet network switches with fiber ports comes in managed or unmanaged formats combined with both Industrial and Commercial grades. Utilize our PoE

Media Converter 8 Port, 8 Port Media Converter

An 8-optical and 2-electrical all-GIGABit fiber aggregation switch provides eight 1.25G cascading optical ports and two 10/100/1000M adaptive RJ45 ports.

8 Fiber Port & 2 UTP Lan port Fiber optic ethernet switch

Ethernet electrical interface supports full-duplex and half-duplex network communication, with auto-negotiation capability; Ethernet port supports AUTO

Teltonika Tsw202 Din Rail Mountable Managed Poe+ Switch With 8 X

This PoE+ switch enables flexibility over solution management and power supply and enhances M2M communication by supporting a wide range of industrial protocols, including EtherNet/IP, Profinet,

S7600-24Y4C, 24-Port Managed Layer 3+ 25G Fiber

Explore the QSFPTek S7600-24Y4C, a manageable L3+ 25g ethernet switch. Delivering a 2 Tbps switching capacity and 1488 Mpps

RS PRO 2727664 Managed Industrial Ethernet Switch

RS PRO Managed 8 Port Ethernet Switch, RJ-45This RS PRO Managed Industrial PoE Ethernet Switch 4XS8GT is a highly reliable managed PoE/PoE+ Industrial

RS PRO 2727662 Unmanaged 16 Port Ethernet Switch 16 x 10/100 RJ45 Ports ...

RS PRO Managed 8 Port Ethernet Switch, RJ-45 This RS PRO Managed Industrial PoE Ethernet Switch is a highly reliable managed PoE+/PoE+ Industrial Ethernet Switch with 8-port 10/100/1000Base-T &

Hirschmann RS2-TX 8-Port Industrial Rail Switch 24VDC

Hirschmann RS2-TX 8-port industrial Ethernet rail switch, 24VDC, for automation networks. Wholesale supply for distributors & MRO teams worldwide.

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6Port 10/100M Ethernet Switch 6 Fiber Port 25KM

☐STOCK☐ 6Port 10/100M Ethernet Switch 6 Fiber Port 25KM 2UTP RJ45 Fiber Optical Transceiver Optical Media Converter ☐STOCK☐ 1 pport the switch between 10/100Base-TX and 100Base

Tripp Lite NGS8C2 Tripp Lite 8-Port Gigabit Ethernet Switch L2

The energy-efficient NGS8C2 8-Port Gigabit L2 Web-Smart Managed Network Switch features eight twisted-pair RJ45 Gigabit Ethernet ports that support auto-negotiable 10/100/1000 Mbps and auto

Netgear Ethernet Switch 8 Ports MS110TXUP-100NAS | PC-Canada

Netgear Ethernet Switch - 8 Ports - 2 Layer Supported - Twisted Pair, Optical Fiber - PoE Ports \$588.99 Out Of Stock Similar Products Add To Cart

Phoenix Contact 2891097 Industrial Ethernet Switch, 8 Port,

The 8-port gigabit SFN switches will provide a broad range of connectivity by allowing 1 or 2 fiber ports and multimode and single mode glass fiber options for distances up to 20km. State-of-the-art gigabit

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C2G54551 The C2G USB-C Mini Docking Station with HDMI, USB-A, Ethernet and USB-C Power Delivery connects to USB-C or Thunderbolt™ 3 and offers best-in-class video resolutions, supporting

Gigabit Ethernet Switch Fiber Optical Media Converter 8 ...

Support the switch between 10/100/1000Base-TX and 1000Base-SX/LX2. 2*1.25Gbps full-duplex fiber ports and 8*100M Ethernet ports with auto-negotiation function3.
Support 1000M speed rate,

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

