


DIREKTRONIK

Item	10-Port Fiber Switch
Model No.	20100479
Description	8x1000Base-X (SFP Slot) + 2x10/100/1000Base-T
	

Overview

The 20100479 Unmanaged SFP Fiber Ethernet Switch is a high performance Layer 2 Gigabit Ethernet switch for service providers. The switch provides an uplink port 2*1000Base-X SFP slot and 8*1000BaseX SFP slot on the downstream port.

The 20100479 switch is designed for emerging Ethernet-based FTTX applications. The switch is feature-rich and widely used. It is especially suitable for access networks and small-to-medium-sized private networks. The appearance is 19 inches and only 1U. With a high standard rack, the switching chip adopts multiple newest PHY integration combinations from the United States, and has the highest Gigabit port density, providing users with the best performance/price ratio.

The 20100479 series switches mainly include FTTx, fiber-optic LAN, industrial Ethernet, Ethernet-based high-reliability industrial distributed control system (DCS) and optical fiber digital video surveillance systems. Support universal hot-swappable SFP optical modules. It can be connected to fiber switches, optical transceivers, and various types of terminators that contain fiber interfaces. It supports super-high-definition video streaming capabilities, streamline network structures, and can provide up to 20Gbps of switching capacity. It can meet the different requirements of large-scale network convergence or small and medium-sized network cores. All ports support line-speed forwarding and MDI/MDIX auto-flip function, which enables plug-and-play operation without management.



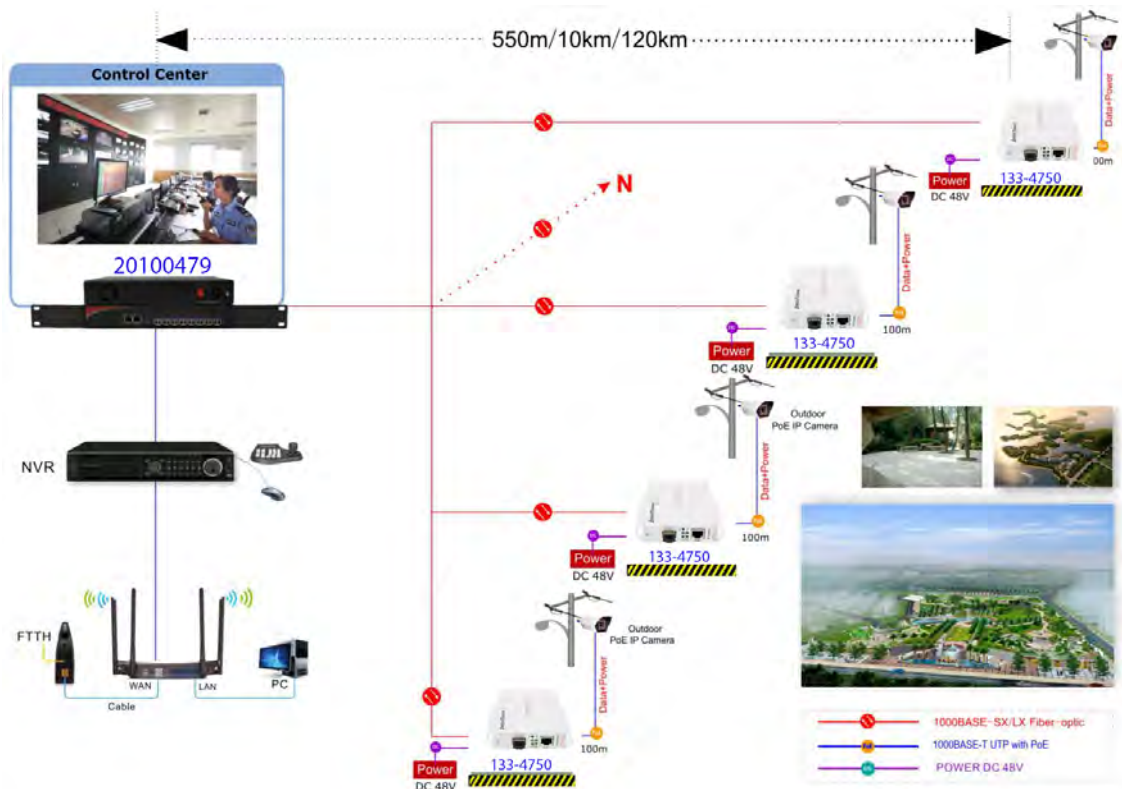
Features

- 8x1000Base-X SFP slots
- 2-Port 10/100/1000Base-T Gigabit Ethernet RJ-45
- Compatible with single-mode/multi-mode, single-fiber/double-fiber SFP optical modules, or electrical modules (hot swappable)
- Supports multiple modes of SFP optical modules or modular plugs
- Standard 1U rack design, built-in dual cooling fans, stable operation
- Low power consumption (15W), low heat generation, good stability
- RJ45 supports automatic MDI / MDI-X function
- Auto-negotiate speed, half/full duplex
- Supports flow control to prevent broadcast storms
- Store and Forward Mode
- Jumbo Frame Support 10kbytes
- AC90-264V wide range power input
- 11-inch desktop size, 19-inch Rack-mountable

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Application

- Campus Area Networking
- Enterprise Remote LAN Extension
- Metro Ethernet Distribution
- ISP Backhaul Networking



Mechanical Dimensions (Product Size: 280*160*42mm)





Technical Specifications

Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX standards IEEE802.3x Flow control and back pressure IEEE802.1d Spanning Tree
Performance	Processing Type: Store and Forward Back bandwidth: 20Gbps MAC Table Size: 8Kbit Packet Buffer Size: 2Mbit Time Delay: <5 μ s Frame: 10Kbytes
Copper Port	Data Rate: 10/100/1000M Connector: 2xRJ45 Distance: 100m
Fiber Port	Data Rate: 1.25G Connector: 8xSFP slot
LED indicators	G3~G10(optical link/action) LA (twisted pairs link/action) 1000 (1000M transmission rate of twisted pairs) PWR (power supply)
Power	AC: 90~264V/47~ 67Hz
Environment	Operating temperature: -20~65°C Storage Temperature: -40~85°C Relative Humidity: 5-95% (no condensation)
Physical Characteristics	Dimension: 280*160*42mm (device); 340*265*95mm (packing) Weight:1.5kg (device); 1.76kg (device with packing)

Order Information

Part No.	Description
20100479	10/100/1000M 8GX2GE, SFP Slot