

## FEATURES

- 18 SFP sockets and 4 RJ45 electrical ports (optional)
- The optical interface supports three types of optical fibers: multi-mode dual-fiber, single-mode dual-fiber, and single-mode single-fiber
- RJ45 electrical port can adapt to 10/100/1000M, full/half duplex mode
- RJ45 port supports straight-through or cross-over automatic identification function (AUTO-MDIX)
- SFP port supports 1000M full duplex mode
- Provides four-level dipswitch function, supports optical port aggregation, electrical port aggregation, flow control and storm suppression functions
- Low power consumption (10W), less heat generation and good stability
- The optical port supports electrical modules and supports hot swapping



Newbridge® ND-920-18FX4TX-SFP is a self-developed full Gigabit unmanaged Ethernet switching product, with 19-inch steel shell standard rack design, providing four 1000/100/10M adaptive 1000Base-T interfaces and 18 1000Base-X Gigabit optical interfaces, and four-level dipswitch function. It supports optical port aggregation, electrical port aggregation, flow control and storm control. Easy to manage and maintain, suitable for campus, hotel and enterprise campus network access application scenarios.

Supports port aggregation to effectively increase link bandwidth, achieve link backup and improve link reliability. Support port monitoring, statistics of each port's traffic information, convenient to monitor traffic and analyse network anomalies. Support bandwidth control, configure the transmission rate of data input/output of ports, and reasonably allocate bandwidth. Supports storm suppression, limiting the broadcast traffic allowed to be received by the port to avoid broadcast storms.

It enables seamless connection of Gigabit Ethernet optical and electrical signals. It is small in size and flexible in networking. The switching chip adopts the latest integrated circuits with stable performance, excellent quality and high cost performance. All ports support non-blocking, full wire-speed packet forwarding; the product adopts thickened metal shell, beautiful and sturdy, with an operating temperature of 0°C-+40°C; the product's average trouble-free operating time reaches more than 100 000 hours;

### Specifications

Product Name	18 Port 1000M SFP+4*10/100/1000M unmanagement Ethernet switch
Product Model	ND-920-18FX4TX-SFP
Interface	18x 1000 SFP slots+ 4x10/100/ 1000MBase-T
Network Protocols	IEEE802.3/u/z/ab, 10Base-T, 100Base-TX, 1000Base-T 和 1000Base-X
Network Media	10Base-T: 2 to 3 (Cat3) or above UTP/STP (≤150m) 100Base-TX: 2 pairs of Category 5 (Cat5) or above UTP/STP (≤150m) 1000Base-T: 4 pairs of Category 5e (Cat5e) or above UTP/STP (≤150m) 1000Base-SX: 62.5μm/50μm MMF (2m~550m) 1000Base-LX: 62.5μm/50μm MMF (2m~550m) or 10μm SMF (2m~5000m)
Fiber Media	Multi-mode: 2KM Single-mode: 20/40/60/80KM Interface:18*SFP
Performance Specification	Bandwidth: 44Gbps Packet Buffer Memory:1Mbits 10 Mbps Packet Forwarding Rate: 14880 pps/port 100Mbps Packet Forwarding Rate:148800 pps/port 1000Mbps Packet Forwarding Rate:1488000pps/port MAC Address Table: 8K Switching Delay: <20us
Forwarding Mode	Store-and-Forward
Use environment	Working temperature: 0 °C~ 40 °C Storage temperature: -40 °C~70 °C Working humidity: 10%~90% non-condensing Storage humidity: 5%~95% non-condensing
Power Supply	Input Power: 110~240VAC 50/60HZ Working Consumption : <25W Static consumption: 10W
Heat dissipation method	Fan cooling
Leakage current	Satisfy GB4943.1 standard

### Order Information

Part No	Description of product	Unit
ND-920-18FX4TX-SFP	18*1000M SFP slot, 4*10/100/1000 Base-Tx Fiber Switch	pc