



## FEATURES

- 8 SFP sockets and 2 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
- Support flow control to prevent broadcast storms
- Support long information packets up to 1632 bytes
- Low power consumption (10W), less heat generation and good stability
- The optical port supports electrical modules and supports hot swapping

Newbridge® ND-920-8FX2TX-SFP unmanaged fiber switch is an Ethernet switch specially designed for fiber multi-point aggregation applications, and provides 8 1.25G cascade optical ports + 2 10/100/1000M adaptive RJ45 electrical ports; The design of 8 gigabit optical ports + 2 gigabit electrical ports can not only provide a point-to-point networking method, but also provide a point-to-multipoint chain-like multi-node network structure, which greatly improves the flexibility of networking , it expands the network transmission distance from the limit of 100m copper wire to 120Km, and provides 8 aggregate Gigabit SFP optical ports, users can choose different SFP modules, such as multi/single mode, single/dual fiber, single Die 550m ~ 120Km and so on. It can realize seamless connection between optical and electrical signals of 1000M Ethernet. It is small in size and flexible in networking. The switching chip adopts the latest IC in the United States, with stable performance, excellent quality and high cost performance. All ports support non-blocking, full wire-speed packet forwarding; the product uses a thickened metal casing, beautiful and strong, and the operating temperature is -30°C~+75°C; and the product's average trouble-free working time reaches 100 000 hours above;

## Specifications

Product Name	8 Port 1000M SFP+2*10/100/1000M unmanagement Ethernet switch
Product Model	ND-920-8FX2TX-SFP
Interface	8x 1000 SFP slots+ 2x10/100/ 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

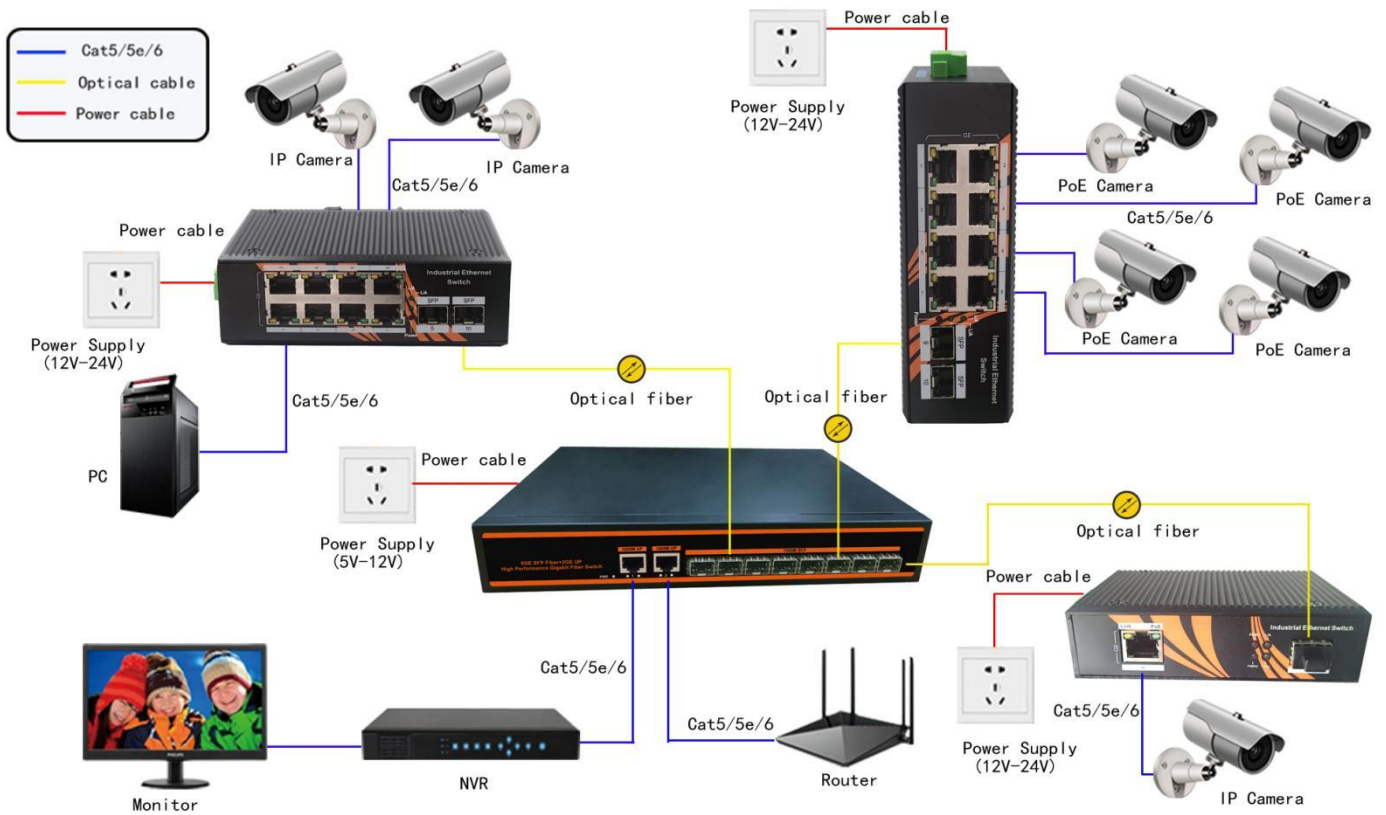
# Aggregation Gigabit Fiber Switch

## ND-920-8FX2TX-SFP



	<p>5e (Cat5e) or above UTP/STP (<math>\leq 150\text{m}</math>) 1000Base-SX: <math>62.5\mu\text{m}/50\mu\text{m}</math> MMF (2m~550m)            1000Base-LX: <math>62.5\mu\text{m}/50\mu\text{m}</math> MMF (2m~550m) or <math>10\mu\text{m}</math> SMF (2m~5000m)</p>
Fiber Media	<p>Multi-mode: 2KM            Single-mode: 20/40/60/80KM            Interface: 8*SFP</p>
Performance Specification	<p>Bandwidth: 20Gbps            Packet Buffer Memory: 1Mbits            10 Mbps Packet Forwarding Rate: 14880 pps/port            100Mbps Packet Forwarding Rate: 148800 pps/port            1000Mbps Packet Forwarding Rate: 1488000 pps/port            MAC Address Table: 8K            Switching Delay: <math>&lt; 20\mu\text{s}</math></p>
Forwarding Mode	Store-and-Forward
Use environment	<p>Working temperature: <math>-10\text{ }^{\circ}\text{C} \sim 50\text{ }^{\circ}\text{C}</math>            Storage temperature: <math>-40\text{ }^{\circ}\text{C} \sim 85\text{ }^{\circ}\text{C}</math>            Working humidity: 10%~90%            non-condensing Storage humidity: 5%~95% non-condensing</p>
Power Supply	<p>Input Power: 110~240VAC 50/60HZ            Working Consumption : <math>&lt; 8\text{W}</math></p>

## Application Diagram



## Order Information

Part No	Description of product	Unit
ND-920-8FX2TX-SFP	8*1000M SFP slot, 2*10/100/1000 Base-Tx Fiber Switch	pc