Item	24-Port Fiber Switch
Model No.	AFS3028
Description	24x1000Base-X (SFP Slot) + 4xCombo

Overview

The AFS3028 Unmanaged SFP Fiber Ethernet Switch is a high performance Layer 2 Gigabit Ethernet switch for service providers. The switch provides an uplink port 4*COMBO (4x10/100/1000Base-T +4*1000Base-X SFP slot) and a 24*1000BaseX SFP slot on the downstream port.

The AFS3028 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. It has a built-in 60W industrial-grade communication power supply. It has dual power supply redundancy design and can be applied to applications requiring high reliability. 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 AFS3028 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 56 Gbps 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.
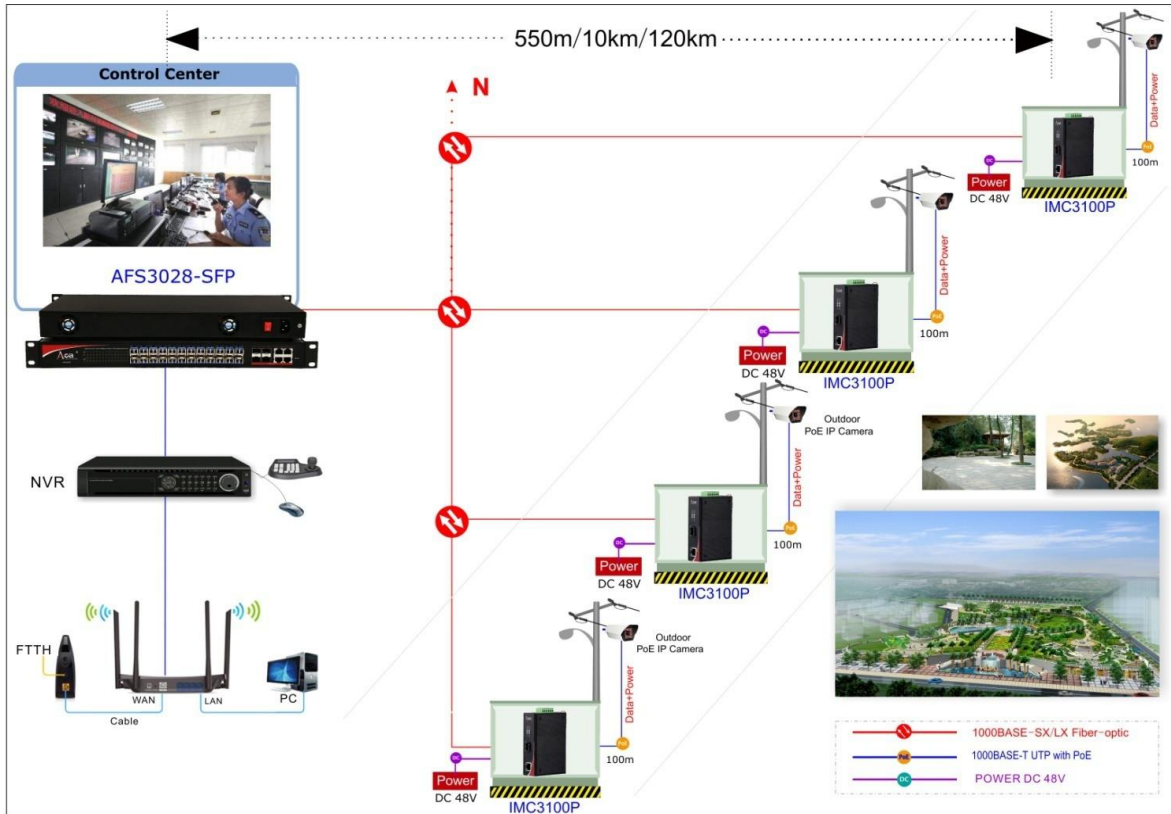
Features

- Uplink port 4*COMBO (4x10/100/1000Base-T +4*1000Base-X SFP slot),Downlink port 24*1000BaseX SFP slot
- 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 (24W), 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
- Redundant power supply design
- Store and Forward Mode
- Jumbo Frame Support 10kbytes

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 IEEE802.1Q VLANs
Performance	Processing Type : Store and Forward MAC Table Size: 16Kbit Buffer Space: 6Mbit Back bandwidth: 56Gbps Time Delay: <5μs Power Consumption: <24W Jumbo Frame:9Kbytes
Copper Port	Data Rate: 10/100/1000M Connector: 4xRJ45(shielded) Distance: 100m
Fiber Port	Data Rate: 1.25G Connector: 24*1000Base-X(SFP)
Forwarding Rate	10Mbps: 14880pps; 100Mbps: 148800pps; 1000Mbps: 1488000pps
LED indicators	PWR (Red light); G1~G24(Optical port indicator) G25~G28(Combo port indicator)
Power	AC: 90~264V/47~ 67Hz
Environment	Operating Temperature: -25°～75 °C ; Storage Temperature: -40°～85 °C ; Humidity: 10% ~ 90%, non-condensing ; Operating Humidity: 10% ~ 90%, RH, non-condensing Storage Humidity: 5% ~ 90%, RH, non-condensing
Physical Characteristics	Dimension: 440*195*45mm Weight: 2.5kg (Does not include optical modules)
MTBF	100,000 hours

Application

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

Mechanical Dimensions（Product Size：440*195*45mm）

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Actuating Optical Advances

EMS Standards

IEC 61000-4-5　Level 3（4KV/2KV）（8/20us）

IEC 61000-4-5　Level 3（4KV/2KV）（10/700us）

IEC 61000-4-3　Level 3 （10V/m）

IEC 61000-4-4　Level 3 （1V/2V）

IEC 61000-4-6　Level 3 （10V/m）

IEC 61000-4-8　Level4（30A/m）

IEC 61000-4-11 Level3 （10V）

FCC Part 15　　CLASS A

IEC 61000-4-2　Level 4 （8K/15K）

IEC 60068-2-32　0.5m

IEC 60068-2-27

IEC 60068-2-6

IEC61850-3

IEEE1613

EN50121-4

Order Information

Part No.	Description
AFS3028-SFP	10/100/1000M 24GX4GE(combo), SFP Slot