Fast Ethernet
16/24-port switch

ASFRM164U1/ASFRM244U2

Product overview

The **ASFRM164U1/ASFRM244U2** is an unmanaged rack-mountable Fast Ethernet Switch, specially designed for small to medium business that requires high performance network connectivity and smooth data transfer. It features 16/24 UTP/STP RJ-45 ports with auto MDI/MDIX, which can operate at 10/100 Mbps. By integrating the **ASFRM164U1/ASFRM244U2** switch into your network, the speed and network efficiency will be significantly enhanced. Its standard 19-inch rack-mountable case along with its improved transmission rates make it the ideal choice for small and medium sized networks.

Product features

- Complies with IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX fast Ethernet standards
- 16/24 RJ-45 ports operating at 10/100Mbps, supporting 802.3 NWAY auto-negotiation, duplex mode and flow control
- Supports IEEE802.3x flow control for full-duplex, and backpressure flow control for half-duplex
- Each RJ-45 port supports auto-MDI/MDIX selection for easy integration into a network
- Features store- and- forward switching method Supports MAC address auto-learning and auto-aging functions
- 4000/8000 MAC address table to meet diversified applications
- Easy-to-understand LEDs display real-time traffic status to monitor and diagnose the network
- Built-in power supply for 100-240 volts for worldwide compatibility
- Standard 19-inch rack-mount case
- Backed by a 3-year full warranty

ASFRM164U1

ASFRM244U2

Technical Specifications
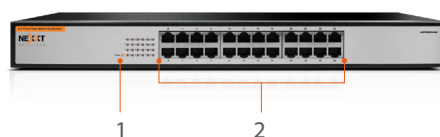
Ethernet Standards

Compatible with:
IEEE802.3
IEEE802.3u

Front Panel

The Fast Ethernet switches include the following main components:

1. Status indicator: Power/Ports
2. 10/100/100Mbps networks ports

Back Panel

3. AC power socket

Status indicators

LED indicators provide information about the connection and Link/ACT status of the switch. They also facilitate activity monitoring and troubleshooting the performance of the network.

LED	Color	Status	Description
Power	Orange	ON	The switch is powered on
	_____	OFF	The switch is turned off
Link/Act	Orange	ON	Other devices are connected to a port on the switch
	Orange	Blinking	The port is transmitting or receiving data packets

Technical specifications

General		
Model	ASFRM164U1 Fast Ethernet 10/100Mbps 16-port switch	ASFRM244U2 Fast Ethernet 10/100Mbps 24-port switch
Standards	IEEE802.3 10BASE-T Ethernet/IEEE802.3u 100 BASE-TX Fast Ethernet	
Protocols	CSMA/CD Ethernet	
Data transmission rate	Ethernet: 10Mbps (half-duplex) / 20Mbps (full-duplex) Fast Ethernet: 100Mbps (half-duplex) / 200Mbps (full-duplex)	
Topological structure	Star	
Network cables	10Base-T:Cat.3 UTP or above (100m) 100Base-T:Cat 5 UTP/STP or above (100m)	
Port quantity	16 10/100Mbps RJ45 ports	24 10/100Mbps RJ45 ports
Performance		
Transfer mode	Store-and-forward	
MAC address table	4000 entries	8000 entries
Packet filtering/Forwarding rate	14880pps (10Mbps) per port 148800pps (100Mbps) per port	
MAC address learning	Auto-learning, auto-aging	
Backplane bandwidth	3.2Gbps 4.8Gbps	
Environmental and physical		
AC input voltage	100-240 – 50/60Hz	
Power consumption	15W maximum 20W maximum	
Temperature	Operating: 0°C - 40°C (32°C - 104°C) Storage: -40°C - 70°C (-40°C - 158°C)	
Humidity	Operating: 10% - 90% RH, non-condensing Storage: 5% - 90% RH, non-condensing	
Minimum requirements	Internet Explorer 5.5 or Firefox 1.0 CD-ROM drive Network adapter Internet access	
Certificates	FCC	