

EX2224S/SR Series

Managed 24-port 10/100BASE-TX and 2 Gigabit ports Ethernet Switch



Overview

The EX2224S Series is equipped with advanced management functions and based on a Single-Chipset provides greater value than some competitive models. The EX2224S provides 24 fixed TX ports and two slots for single-port M1000 Series Gigabit Modules. The EX2224S features sophisticated management functions such as Rate/Bandwidth Control allowing the user more flexibility in managing their network.

Features

- ▶ IEEE802.1w RSTP and IEEE802.1D STP compatible
- ▶ IP Multicast Filtering through IGMP Snooping
- ▶ Supports port-based VLAN and IEEE802.1Q VLAN Tagging and GVRP
- ▶ IEEE802.1p QoS classification based on: Port-based priority; VLAN priority field in VLAN tagged frame; DS/TOS field in IP packet; UDP/TCP logical ports
- ▶ Port-based trunking, up to three groups and maximum of four ports each group, load sharing based on source and destination MAC addresses
- ▶ RS-232 console, Telnet, SNMP V1 & V2c, RMON, Web Browser, and TFTP ManagementRate Control
- ▶ Bandwidth Rate Control
- ▶ Port Security by MAC addresses filtering, limit number of MAC addresses learned per port, static MAC addresses stay in the filtering table
- ▶ Port mirroring
- ▶ 1000Mbps-Full-duplex, 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- ▶ Full wire-speed forwarding rate
- ▶ 100 ~ 240VAC, 50 ~ 60Hz Internal Universal PSU
- ▶ 0°C to 45°C (32°F to 113°F) operating temperature range

Ordering Information

Rackmount size Management Fast/Gigabit Ethernet Switch

EX2224S	24-port 10/100BASE-TX + 2 slots for M1000 Series Modules
EX2224SR	24-port 10/100BASE-TX + 2 slots for M1000 Series Modules with Redundant PSUs

** All items include Rackmounting bracket (black)

M1000 Series Module

TX1000	1-port 1000BASE-T Gigabit Ethernet Module
SC1000	1-port 1000BASE-SX Gigabit Ethernet Module
LC1000-10	1-port 1000BASE-LX Single Mode (SC) -10Km Gigabit Ethernet Module
LC1000-20	1-port 1000BASE-LX Single Mode (SC) -20Km Gigabit Ethernet Module
LC1000-50	1-port 1000BASE-LX Single Mode (SC) -50Km Gigabit Ethernet Module

* SC fiber also available in Single Mode WDM Type A and Type B, 10/20Km

Optional Accessories:

- KR-AE612-400: Rack mount kit (black)



Specifications

Technology

Standards:

- IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3ab 1000BASE-T, IEEE802.3z 1000BASE-SX/1000BASE-LX, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1w

Protocols:

- IGMP, GVRP, SNMP V1/V2c, RMON, TFTP

Forward and Filtering Rate:

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps
- 1,488,100pps for 1000Mbps

Packet Buffer Memory:

- 16M bits

Processing Type:

- Store-and-Forward
- Half-duplex back-pressure and IEEE802.3x full-duplex flow control

Address Table Size:

- 12288 MAC addresses

Latency:

- Less than 151.5 μ s

Power

Input:

- 100 ~ 240VAC, 50 ~ 60Hz Internal Universal PSU

Power Consumption:

- 18.75W Max.

Mechanical

Casing:

- Metal case

Dimensions:

- Single Power: 443.6mm (W) x 285.4mm (D) x 44mm (H)
(17.47" (W) x 11.24" (D) x 1.73" (H))
 - Redundant Powers: 443.6mm (W) x 403mm (D) x 44mm (H)
(17.47" (W) x 15.87" (D) x 1.73" (H))
- Standard 19" rack-mount size, one-unit-height

Weight:

- 3.4Kg (7.5lbs.)

Installation:

- Rack Mounting

Interface

Ethernet Port:

- 10/100BASE-TX: 24 ports
- Gigabit: 0, 1 or 2 ports

Console Port:

- Port: One DB9 RS-232 port

LED Indicators:

- Per Unit: Power Status (Power)
- Per Port: 10/100TX: Link/Activity, Full-duplex/Collision
1000T/SX/LX: Activity, Link

Environment

Operating Temperature:

- 0°C to 45°C (32°F to 113°F)

Storage Temperature:

- -10°C to 70°C (14°F to 158°F)

Ambient Relative Humidity:

- 5% to 95% (non-condensing)

Regulatory Approvals:

ISO:

- Manufactured in an ISO9001 facility

Emission Compliance:

- CE Mark Class A, FCC Part 15 Class A

Diagrams

