

EX1808C Series

8-port 10/100Base Fast Ethernet Managed Ethernet Switches



Overview

The EX1808C series provides an affordable means for interconnection between offices and workgroups on campus, industrial environments or any multi-tenant locations that require good management.

Managed Switch:

EX1808C series is a compact Managed Ethernet Switch equipped with eight ports. It features several management functions such as SNMP and RMON, and therefore it is an ingenious and yet simple answer to today's complicated networking needs.

Low-Cost Ownership:

Delivering the power of 100Mbps switching and management functions at a very competitive price, The EX1808C series is the best choice for network managers who are looking for cost effective solutions. Its compact size is ideal for wall, shelf or Rack Mounting purposes.

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
- Eight port-based trunking groups with up to 8 ports per group
- RS-232 console, Telnet, SNMP V1 & V2, RMON, Web Browser, and TFTP Management
- Bandwidth Rate Control
- Packet Filtering and Port Security: Destination MAC; Static MAC address not subject to aging; Secure mode freezes MAC address learning
- Port mirroring
- 4096 MAC addresses
- 2M Bits buffer memory
- 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
- Metal case
- Supports Wall, Shelf or Rack Mounting installation

Ordering Information

EX1808C	8-port 10/100Base-TX Managed Ethernet Switch
EX1808CFT1	7-port 10/100Base-TX + 1-port 100Base-FX Multi Mode (ST) -2Km Managed Ethernet Switch
EX1808CFC1	7-port 10/100Base-TX + 1-port 100Base-FX Multi Mode (SC) -2Km Managed Ethernet Switch
EX1808CFT1-20	7-port 10/100Base-TX + 1-port 100Base-FX Single Mode (ST) -20Km Managed Ethernet Switch
EX1808CFC1-15	7-port 10/100Base-TX + 1-port 100Base-FX Single Mode (SC) -15Km Managed Ethernet Switch
EX1808CFC1-40	7-port 10/100Base-TX + 1-port 100Base-FX Single Mode (SC) -40Km Managed Ethernet Switch
EX1808CFA1-20	7-port 10/100Base-TX + 1-port 100Base-FX Single Mode (SC) WDM -TX :1310nm/RX:1550nm -20Km Managed Ethernet Switch
EX1808CFCB1-20	7-port 10/100Base-TX + 1-port 100Base-FX Single Mode (SC) WDM -TX :1550nm/RX:1310nm -20Km Managed Ethernet Switch
EX1808CFA1-40	7-port 10/100Base-TX + 1-port 100Base-FX Single Mode (SC) WDM -TX :1310nm/RX:1550nm -40Km Managed Ethernet Switch
EX1808CFCB1-40	7-port 10/100Base-TX + 1-port 100Base-FX Single Mode (SC) WDM -TX :1550nm/RX:1310nm -40Km Managed Ethernet Switch
EX1808CFT2	6-port 10/100Base-TX + 2-port 100Base-FX Multi Mode (ST) -2Km Managed Ethernet Switch
EX1808CFC2	6-port 10/100Base-TX + 2-port 100Base-FX Multi Mode (SC) -2Km Managed Ethernet Switch
EX1808CFT2-20	6-port 10/100Base-TX + 2-port 100Base-FX Single Mode (ST) -20Km Managed Ethernet Switch
EX1808CFC2-15	6-port 10/100Base-TX + 2-port 100Base-FX Single Mode (SC) -15Km Managed Ethernet Switch
EX1808CFC2-40	6-port 10/100Base-TX + 2-port 100Base-FX Single Mode (SC) -40Km Managed Ethernet Switch
EX1808CFA2-20	6-port 10/100Base-TX + 2-port 100Base-FX Single Mode (SC) WDM -TX:1310nm/RX:1550nm -20Km Managed Ethernet Switch
EX1808CFCB2-20	6-port 10/100Base-TX + 2-port 100Base-FX Single Mode (SC) WDM -TX:1550nm/RX:1310nm -20Km Managed Ethernet Switch
EX1808CFA2-40	6-port 10/100Base-TX + 2-port 100Base-FX Single Mode (SC) WDM -TX:1310nm/RX:1550nm -40Km Managed Ethernet Switch
EX1808CFCB2-40	6-port 10/100Base-TX + 2-port 100Base-FX Single Mode (SC) WDM -TX:1550nm/RX:1310nm -40Km Managed Ethernet Switch

Specifications

Technology

Standards:

- IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/100Base-FX, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1w

Protocols:

- IGMP, GVRP, SNMP V1/V2, RMON, TFTP

Forward and Filtering Rate:

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps

Packet Buffer Memory:

- 2M bits

Processing Type:

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

Address Table Size:

- 4096 MAC addresses

Latency:

- Less than 9.6μs

Power

Input:

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

Power Consumption:

- 8.04W Max.

Mechanical

Casing:

- Metal case

Dimensions:

- 252mm (W) x 134.3mm (D) x 35mm (H)
(9.92" (W) x 5.29" (D) x 1.38" (H))

Weight:

- 1.6Kg (3.52lbs.)

Installation:

- Wall, Shelf, Rack Mounting

Interface

Ethernet Port:

- 10/100Base-TX: 8, 7 or 6 ports
- 100Base-FX: 0, 1 or 2 ports

Console Port:

- Port: One DB9 RS-232 port

LED Indicators:

- Per Unit: Power Status (Power)
- Per Port: 10/100TX, 100FX: Link/Activity, Speed, Full-duplex/Collision

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

