



ES-1008

8-Port 10/100Base-TX + 1-Port Gigabit TP/Fiber Dual Media + 1-Slot Smart Switch

Key Features

- Eight 10/100Mbps Fast Ethernet TP ports with auto MDIX
- One 1000Mbps TP/Fiber dual media port
- One hot-swappable module slot for various Ethernet media.
- Supports in-band/out-of-band management
- Supports 802.3x flow control for full duplex ports. Supports backpressure for half duplex ports
- Per port external loop-back capability
- Max throughput: 5.6Gbps non-blocking switching and 8.3Mbps at full duplex and wire speed
- Supports up to 64 active tagged VLANs
- IP multicast: IGMP snooping
- Supports 802.1p priority QoS
- Supports up to 8 FE versatile port trunkings
- Supports illegal intrusion/access report
- Supports broadcast storm prevention
- Port mirroring for sniffing traffic
- Supports port-pairs failover
- Supports text-/web-based management
- Supports Telnet, Httpd, tftp, dhcp client, SMTP
- Supports short message (SMS) and e-mail for trap and alarm
- Supports network time sync
- Supports system log

Overview

ES-1008 is specifically designed for MAN application. It implements 8 Fast Ethernet TP ports, one 1000Mbps TP/Fiber dual media port and one module slot with various removable modules. One dual media port implements one fiber port and one TP port at the same time. This covers the connection problem in Gigabit LAN. With web-based management, the network administrator can logon the switch to monitor, configure activities in the device. In addition, the switch implements the QoS (Quality of Service), Spanning tree, tagged

Technical Specifications

• Performance:

Bandwidth: 5.6Gbps Switching Capacity
 VLAN: 64 active tagged
 IP multicast table entries: 1K

• Standards Compliance:

IEEE 802.3 /u/ab /z /x/ad
 IEEE 802.1D /w/p /Q /v/x /advanced 802.1x
 100Base-FX Fast Ethernet Fiber Specification
 1000Base-SX/1000Base-LX Gigabit Ethernet Fiber Specification

• Protocol Support:

UDP RFC 768
 TFTP RFC 783
 IP RFC 791
 ICMP RFC 792
 TCP RFC 793
 GVRP
 SMTP RFC 821
 Telnet RFC 854
 HTTP RFC 2068
 DHCP RFC 2131 / RFC 2132
 IGMP

• Maximum Switching Ports:

8 Fast Ethernet ports
 2 Gigabit Ethernet ports

• Network Interface

10Base-T/100Base-TX:
 Connectors: RJ-45
 Transmission: Full/Half-Duplex
 Max. Cable Length: up to 100m

1000Base-T:
 Connectors: RJ-45
 Transmission: Full-Duplex only
 Max. Cable Length: up to 100m

100Base-FX (Multi mode):
 Connectors: SC/ST/MT-RJ/VF-45
 Transmission: Full/Half-Duplex
 Max. Cable Length: up to 2km for 62.5/125µm
 Wavelength: 1310nm

100Base-FX (Single mode):
 Connectors: SC/Bidi-SC
 Transmission: Full/Half-Duplex
 Max. Cable Length: 100km for 9/125µm
 Wavelength: 1310nm or 1550nm

VLAN, Trunk, Port Security and IGMP capability via the intelligent software. The overall network management is enhanced and the network efficiency is also improved to accommodate high bandwidth applications.

1000Base-SX (Multi mode):

Connectors: SC / VF-45 / LC
 Transmission: Full-Duplex only
 Max. Cable Length: 220m for 62.5/125µm
 Wavelength: 850nm

1000Base-LX (Single mode):

Connectors: SC / Bidi-SC
 Transmission: Full-Duplex
 Max. Cable Length: 50km for 9/125µm
 Wavelength: 1310nm or 1550nm

• LED Description

LED		Function
POWER		Power status
UTP Ports	LNK/ACT	Port Link and Activity status
	100Mbps	Port Speed status
	FDX/COL	Port Duplex and Collision status

• Power

Requirement: AC Power: 90 ~ 300VAC, 47 ~ 63Hz
 Power Consumption: 20W

• Ambient Temperature: 0 ~ 50°C
• Humidity: 5% ~ 90%
• Dimensions: 330(W) x 189(D) x 44(H) mm
 (Standard 13" rack mount with 1U height)

• Certification: FCC Part 15 Class A, CE Mark
Ordering Information

Model Numbers	
ES-1008.0SC.212.10	8+1G TP/SC/10 km dual media + 1 slot switch
ES-1008.0SC.202.MM1	8+1G TP/SC/M-M dual media port + 1 slot switch, type 1

Optional Fiber Module	
RM-2024.0ST.201	1-port 100M STMM fiber module
RM-2024.0SC.201	1-port 100M SC MM fiber module
RM-2024.0SC.211.X5	1-port 100M SC SM 5km fiber module
RM-2024.0SC.211.20	1-port 100M SC SM 20km fiber module
RM-2024.0SC.211.60	1-port 100M SC SM 60km fiber module
RM-2024.0BS.611.201	1-port 100M Bidi SC, 20km fiber module, Tx: 1550nm, Rx: 1310nm (Type 1)
RM-2024.0BS.611.202	1-port 100M Bidi SC, 20km fiber module, Tx: 1310nm, Rx: 1550nm (Type 2)
RM-2024.0.111	1-port GBE UTP module
RM-2024.0SC.202	1-port GBE SC MM fiber module
RM-2024.0SC.212.10	1-port GBE SC SM 10 km fiber module
RM-2024.0SC.212.30	1-port GBE SC SM 30 km fiber modul
RM-2024.0SC.212.50	1-port GBE SC SM 50 km fiber module
RM-2024.0BS.621.201	1-port GBE Bidi SC, 20km fiber module, Tx: 1550nm, Rx: 1310nm (Type 1)
RM-2024.0BS.621.202	1-port GBE Bidi SC, 20km fiber module, Tx: 1310nm, Rx: 1550nm (Type 2)