



GS-2388E: 8-Port TP/SFP Dual Media GbE L2 Managed Switch
GS-2388F: 8-Port TP/GBIC Dual Media GbE L2 Managed Switch

Key Features

- Supports 8 Gigabit TP/SEP fiber dual media ports
- Supports 802.3x symmetric and asymmetric flow control for full duplex
- Per port external loop-back capability
- Max throughput: 16 Gbps non-blocking in full duplex
- Supports RTC (Real Time Clock)
- Supports up to 256 active tagged VLANs
- IP multicast: IGMP snooping (with reporting) up to 1K groups
- Per port Buffer resource management
- Supports 802.1p/q packet forwarding priority: 4 classes based on per port basis
- Per port QoS configuration
- Supports User management and ACL (Access Control List)
- Distributed stack function through management ports or service ports
- Supports User priority vs. Diffserv mapping
- Supports max. 4 trunking groups with LACP, max 4 ports per group, based on SA/DA, SA, DA
- Supports illegal intrusion/access report with user-defined alias name for MAC addr.
- Supports broadcast storm filtering and prevention
- Supports one port mirror function (source-port-based, destination-port-based, and source-destination-pair-based)
- Supports 2 port pairs of failover
- Supports text-, web-based and SNMP manager management through any port
- Supports Telnet, Httpd, tftp, FTP, ping, dhcp client, icmp, ARP, NTP, SMTP
- Supports SNMP v1 with MIB II and RMON I

Technical Specifications

- **Performance:**
 - Bandwidth: 16Gbps Switching Capacity
 - 256 active tagged VLANs
 - MAC table: up to 48k
 - IP multicast: 1K Table entries
- **Standards Compliance**
 - IEEE 802.3 /u /ab /z /x /ad
 - IEEE 802.1D /w /p /Q /v /x
 - SNMP
 - RMON standards
- **Protocol Support**
 - UDP RFC 768 • HTTP RFC 2068
 - TFTP RFC 783 • DHCP RFC 2131 / RFC 2132
 - IP RFC 791 • SMTP RFC 821
 - ICMP RFC 792 • GVRP
 - TCP RFC 793 • SNMP
 - ARP RFC 826 • IGMP
 - Telnet RFC 854
- **Network Management**
 - RFC 1213 MIB (MIB-II)
 - Interface MIB
 - Address Translation MIB
 - IP MIB
 - ICMP MIB
 - TCP MIB
 - UDP MIB
 - SNMP MIB
 - Trap MIB
 - RFC 1757 RMON MIB
 - Statistics Group 1
 - History Group 2
 - Alarm Group 3
 - Event Group 9
 - RFC 1493 Bridge MIB
 - RFC 1643 Ethernet MIB
 - Enterprise MIB
- **Maximum Switching Ports:** 8 Gigabit TP/SEP SC Dual Media Ports
- **Network Interface**

Category	Connector	Transmission	Max. Cable Length	Wavelength
10/100/1000-T	RJ-45	Full/Half Duplex	100m	/
1000-SX(M-M)	SEP SC	Full Duplex	550m 50/125µ	850nm
1000-LX(S-M)	SEP SC	Full Duplex	10Km 30Km 50Km 9/125µ	1310nm 1550nm 1550nm

Gigabit Switch

- Support MIB II, Trap MIB, Bridge MIB, Ethernet MIB, Enterprise MIB, RMON MIB group 1,2,3,9
- Supports 3 configuration files: Default, user and working configuration.
- Supports short message (SMS) and email for trap and alarm
- Supports up to 6 trap hosts, 6 email address and 6 mobile phones
- Supports NTP network time sync auto- and manually
- Supports system log : trap event log, user log and illegal access logs, totally up to 200 entries.

Overview

GS-2388 implements 8 Gigabit TP/SEP SC Dual Media ports for various Gigabit Ethernet media, specifically designed for MTU (Multi-Tenant Unit) application. It's fully compliant with the standards of IEEE 802.3/u/x/z/ab. With SNMP agent and web-based management, the network administrator can log on the switch to monitor, and configure. In addition, ES-2388 abounds with functions, including QoS (Quality of Service), Rapid Spanning tree, tag-/port-based VLAN, Port Trunking, Port Security, RMON and IGMP snooping capability via the intelligent software. The overall network management is enhanced and the network efficiency is also improved to accommodate high bandwidth applications with security.

- **LED Indicate**
- **POWER:** Power status
- **UTP Ports:**
 - LNK/ACT Port: Link and Activity status
 - 1000Mbps: Port Speed status
 - FDX/COL: Port Duplex and Collision status
- **Fiber Ports:** LNK/ACT Port: Link and Activity status
- **Power Requirement:** AC Power: 90~300 VAC, 47~63 Hz
- **Consumption:** 35W
- **Ambient Temperature:** 0 ~ 50°C
- **Humidity:** 5% ~ 90%
- **Dimensions:** 442(W) x 271(D) x 44(H) mm
- **Certification:** FCC Part 15 Class A, CE Mark

Ordering Information

GS-2388E	8-Port TP/SFP Dual Media GbE L2 Managed Switch
GS-2388F	8-Port TP/GBIC Dual Media GbE L2 Managed Switch

Optional SFP Fiber Module

SFP.LC	1000Base-SX GE SFP Multi-Mode Fiber Module 850nm
SFP.LC.M2	1000Base-SX GE SFP Fiber Module, LC Multi-Mode 1310nm 2km
SFP.LC.S10	1000Base-LX GE SFP Single-Mode 10Km Fiber Module 1310nm
SFP.LC.S30	1000Base-LX GE SFP Single-Mode 30Km Fiber Module 1310nm
SFP.L5.S50	1000Base-LX GE SFP Single-Mode 50Km Fiber Module 1550nm
SFP.BL5.S10	1000Base-LX GE SFP BiDi_LC 10Km Module Single Fiber 1550nm, Type 1
SFP.BL3.S10	1000Base-LX GE SFP BiDi_LC 10Km Module Single Fiber 1310nm, Type 2
SFP.BL5.S20	1000Base-LX GE SFP BiDi_LC 20Km Module Single Fiber 1550nm, Type 1
SFP.BL3.S20	1000Base-LX GE SFP BiDi_LC 20Km Module Single Fiber 1310nm, Type 2

Optional GBIC Fiber Module

GBIC.SC	1000Base-SX GE GBIC MM Fiber Module MM 850nm
GBIC.SC.S10	1000Base-LX GE GBIC 10Km Fiber Module SM 1310nm
GBIC.SC.S30	1000Base-LX GE GBIC 30Km Fiber Module SM 1550nm
GBIC.SC.S50	1000Base-LX GE GBIC 50Km Fiber Module SM 1550nm
GBIC.BS5.S10	1000Base-LX GE GBIC BiDi_SC 10Km Module Single Fiber 1550nm, Type 1
GBIC.BS3.S10	1000Base-LX GE GBIC BiDi_SC 10Km Module Single Fiber 1310nm, Type 2
GBIC.BS5.S20	1000Base-LX GE GBIC BiDi_SC 20Km Module Single Fiber 1550nm, Type 1
GBIC.BS3.S20	1000Base-LX GE GBIC BiDi_SC 20Km Module Single Fiber 1310nm, Type 2

Note:

We recommend the SFP transceiver from the following vendors:

1. Ruby Tech Corporation
2. Agilent Technologies
3. AVAGO Technologies

Ruby Tech Corp.

3F, No.1, Lane 50, Nan Kang Road, Sec.3, Taipei, Taiwan
 TEL:886-2-2785-3961 FAX:886-2-2786-3012

<http://www.rubytech.com.tw>
 E-mail : rubytech@mail.rubytech.com.tw