



GS-2216L:

16-Port GbE L2 Plus Managed Switch with 4 SFP Dual Media

Key Features

- 4 Dual Media for Flexible Fiber Connection
- 9KB Jumbo Frame Support
- Port Mirroring Helps Supervisor Monitoring Network
- Q-in-Q VLAN for performance & security and 4094 Vlan entries (prevision, upgrade via FW)
- 802.1x Access Control Improve Network Security
- 802.1D Compatible, 802.1w Rapid Spanning Tree and 802.1s Multiple Spanning Tree
- Unknown Unicast/Broadcast/Multicast Storm Control
- Multicast Vlan Management for IPTV
- IP-Mac-Port binding for LAN security
- Based on Application traffic for QoS and rate limitation management
- DHCP relay agent

Overview

GS-2216L, a 16-port Gigabit L2 Managed Switch, is a standard switch that meets all IEEE 802.3/u/x/z Gigabit, Fast Ethernet specifications. The switch includes 16-Port 10/100/1000Mbps TP and 4-Port Gigabit TP/SFP Fiber management Ethernet switch. The switch can be managed through RS-232 serial port, or through Ethernet port using CLI or Web-based management unit, associated with SNMP agent. With the SNMP agent, the network administrator can logon the switch to monitor, configure and control each port's activity in a friendly way. The overall network management is enhanced and the network efficiency is also improved to accommodate high bandwidth applications. In addition, the switch features comprehensive and useful functions such as QoS (Quality of Service), Spanning Tree, VLAN, Port Trunking, Bandwidth Control, Port Security, SNMP/RMON, IGMP Snooping capability via the intelligent software. It is suitable for both metro-LAN and office applications.

Technical Specifications

- **Standard compliance**
 - IEEE 802.3x Flow Control capability
 - IEEE 802.1q VLAN
 - IEEE 802.1p
- **RoHS Compliance**
- **Performance**
 - Switching capacity:**
 - 16 Gigabit Ethernet ports with non-blocking wise speed performance.
 - 8 K MAC addresses
 - Supports Jumbo frame support, up to 9K
 - Unknown Unicast/Broadcast/Multicast Storm Suppression
 - Port Mirroring
 - VLAN**
 - Port-base VLAN
 - IEEE802.1q tag-base VLAN, up to 4k active VLANs
 - Q-in-Q is an efficient method for enabling Subscriber Aggregation. (Prevision, upgrade via FW)
 - Multicast Vlan management
 - QoS**
 - Supports Layer 4 TCP/UDP Port and ToS Classification
 - Supports 802.1p QoS with two level priority queue
 - Supports priority in a Q-in-Q tag
 - Bandwidth Control**
 - Supports bandwidth rating per port ingress and egress rate limit 1000Mbps with 1Mbps
- **Protocol**
 - LACP**
 - Port trunking with 8 trunking group
 - up to 16 ports for each group.
 - GVRP/GARP**
 - 802.1q with GVRP/GARP
 - Multicasting**
 - Supports IGMP snooping including active and passive mode
 - STP/RSTP/MSTP**
 - 802.1d/1w/1s
- **Network Security**
 - 802.1x access control for port based and mac based authentication
 - Management Access Policy Control
 - Access control List
 - IP-mac-port binding
 - DHCP relay agent

• Snmpv1,v2c Network Management

• RFC 1213 MIB (MIB-II)	• RFC 1757 RMON MIB
---Interface MIB	---Statistics Group 1
---Address Translation MIB	---History Group 2
---IP MIB	---Alarm Group 3
---ICMP MIB	---Event Group 9
---TCP MIB	• RFC 1493 Bridge MIB
---UDP MIB	• RFC 1643 Ethernet MIB
---SNMP MIB	• Enterprise MIB

• LED Description

	LED
Global	POWER
Global	CPU
Port 1-16	LINK/ACT
Port 1-16	10/100/1000Mbps
Port 13,14,15,16	SFP

• Network Interface

Configuration	Connector	Port
10/100/1000 Mbps TP Jack (RJ-45)	TP(RJ-45)	1 to 16
1000Mbps SFP Fiber Module Dual Media Auto Detection	SFP	13,14,15,16

• Hardware Spec.

Feature	Detailed Description
Voltage	100~240 V
Frequency	50~60 Hz
Consumption	40W
Ambient Temperature	0 to 40°C
Humidity	5% to 90%
Dimensions	44(H) X 442(W) X 209(D) mm
Weight	2.82 Kg
Safety	Comply with FCC Part 15 Class A & CE Mark Approval

Packing Information

Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
530x512x345	5	18.5 Kg	19.5 Kg

Ordering Information

GS-2216L	16-Port GbE L2 Plus Managed Switch with 4 SFP Dual Media
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Optional SFP Module

SFP.LC	1000Base-SX GE SFP Fiber Module, LC Multi-Mode 850nm
SFP.LC.M2	1000Base-SX GE SFP Fiber Module, LC Multi-Mode 1310nm 2km

Note:

We recommend the SFP transceiver from the following vendors:

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

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.rubyttech.com.tw>

E-mail : rubyttech@mail.rubyttech.com.tw