

SPECIFICATION

Product	16-Port Web Smart Gigabit Ethernet Switch with 2 Shared SFP Interfaces	
Model	GSW-1602SF	
Hardware Specification		
10/100/1000Mbps Copper Ports	16-Port Auto-MDI/MDI-X	
SFP/mini-GBIC Slots	2, shared with Port-15 and Port-16, 100Base-FX / 1000Base-SX/LX Dual mode	
Switch Architecture	Store-and-Forward	
Switch Throughput@64Bytes	23.8Mpps	
Switch Fabric	32Gbps / non-blocking	
Share Data Buffer	340KB	
Address Table	8K entries	
Flow Control	Back pressure for Half-Duplex , IEEE 802.3x Pause Frame for Full-Duplex	
Power Consumption	Max.19 Watts / 64 BTU	
Dimension (W x D x H)	440 x 120 x 44 mm, 1U height	
Weight	1.57kg	
Power Requirement	AC 100~240V, 50/60Hz , 1A	
Layer 2 Function		
Management Interface	Web Browser, SNMPv1, v2c	
Firmware Upgrade	Web interface	
Configuration backup and restore	Yes, through web interface	
Port Configuration	<ul style="list-style-type: none"> - Port disable/enable - Auto-Negotiation - 10/100/1000Mbps full and half duplex mode selection - Flow Control disable / enable - Inband and outband bandwidth control - Port description - Frame Length setting 	
Port Statistics	Displays per port Ethernet traffic receive counter information	
SFP module built-in information display	Yes	
Port Mirroring	Monitor the incoming or outgoing traffic on a particular port	
Link Aggregation	Supports 8 groups of 8-Port trunk, IEEE 802.3ad LACP	
VLAN	Port-Based VLAN / IEEE 802.1Q Tagged Based VLAN, up to 256 VLAN groups	
Rapid Spanning Tree	Yes	
IGMP Snooping	IGMP Querier, IGMP (v1/v2) Snooping, up to 256 multicast Groups	
QoS	4 priority queues on all switch ports, 8 mapping ID to 4 priority queues, Traffic class assignment based on IEEE 802.1p tag, or DSCP field	
IEEE 802.1x Authentication	Yes	
Filter Configuration	Source IP filter per port to block unauthorized access	
MAC Address Filter	Static MAC Address assigns destination MAC address at specified port	
Diagnostics	Cable Diagnostics technology and ICMP Ping function	
Link Layer Discovery Protocol (LLDP)	Discover basic information of neighboring devices on the local broadcast domain	
Green Networking	Energy save for per port link up / link down operation mode	
Standards Conformance		
Regulation Compliance	FCC Part 15 Class A, CE	
Standards Compliance	<ul style="list-style-type: none"> IEEE 802.3 IEEE 802.3u IEEE 802.3z IEEE 802.3ab IEEE 802.3x IEEE 802.3ad IEEE 802.1Q IEEE 802.1w IEEE 802.1p IEEE 802.1x IEEE 802.1ab 	<ul style="list-style-type: none"> 10Base-T 100Base-TX / 100Base-FX 1000Base-SX/LX 1000Base-T Flow Control and Back pressure Port trunk with LACP VLAN Tagging Rapid spanning tree protocol Class of service Port Authentication Network Control LLDP
Environmental Specification		
Operating	Temperature: 0~50 Degree C / Storage: Relative Humidity: 5~90% (non-condensing)	
Storage	Temperature: -40~70 Degree C Relative Humidity: 5~90% (non-condensing)	

*. The specification based on hardware version 3.0 of GSW-1602SF.

ORDERING INFORMATION

GSW-1602SF	16-Port Web Smart Gigabit Ethernet Switch w/2-SFP Interfaces
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AVAILABLE MODULES FOR GSW-1602SF

MFb-FX	SFP-Port 100Base-FX Transceiver (1310nm) -2KM
MFb-F20	SFP-Port 100Base-FX Transceiver (1310nm) - 20KM
MFb-F40	SFP-Port 100Base-FX Transceiver (1310nm) - 40KM
MFb-F60	SFP-Port 100Base-FX Transceiver (1310nm) - 60KM
MFb-FA20	SFP-Port 100Base-BX Transceiver (WDM,TX:1310nm) -20KM
MFb-FB20	SFP-Port 100Base-BX Transceiver (WDM,TX:1550nm) -20KM
MGB-GT	SFP-Port 1000Base-T Module
MGB-SX	SFP-Port 1000Base-SX mini-GBIC module
MGB-LX	SFP-Port 1000Base-LX mini-GBIC module
MGB-L30	SFP-Port 1000Base-LX mini-GBIC module-30km
MGB-L50	SFP-Port 1000Base-LX mini-GBIC module-50km
MGB-L70	SFP-Port 1000Base-LX mini-GBIC module-70km
MGB-L120	SFP-Port 1000Base-LX mini-GBIC module-120km
MGB-LA10	SFP-Port 1000Base-LX (WDM,TX:1310nm) mini-GBIC module-10km
MGB-LB10	SFP-Port 1000Base-LX (WDM,TX:1550nm) mini-GBIC module-10km
MGB-LA20	SFP-Port 1000Base-LX (WDM,TX:1310nm) mini-GBIC module-20km
MGB-LB20	SFP-Port 1000Base-LX (WDM,TX:1550nm) mini-GBIC module-20km
MGB-LA40	SFP-Port 1000Base-LX (WDM,TX:1310nm) mini-GBIC module-40km
MGB-LB40	SFP-Port 1000Base-LX (WDM,TX:1550nm) mini-GBIC module-40km