

Smart Switch 16-Port Gigabit + 2-Ports SFP

16x Gigabit RJ45

2 x SFP ports

Smart manageable

Advanced L2 Features



GGM GS200 Web-managed Smart Switches series are designed to fit all the technical requirements of modern converged IP networks. Thanks to their large port versatility and their powerful Layer 2 features, GGM GS200 Smart Switches can deal simultaneously with Multimedia streaming, Multicast flux, security and any other services that could need a large bandwidth amount. GGM GS200 Web-managed Smart Switches offer an affordable Gigabit non-blocking network.

Advanced Layer 2 Features

With their very much advanced Layer 2 features, the GGM GS200 Smart Switches can perfectly be integrated into modern IP Networks :

- Full network segmentation management with VLAN
- QoS features to optimize each IP flux
- Strong fault tolerance and redundancy with Spanning Tree technologies
- Loopback detection and quarantine of faulty links
- Cable diagnostics for an efficient network

Strong network security

The GGM GS200 Smart Switches serie comes with the most valuable security technologies to protect your network against intrusion :

- 802.1x RADIUS authentication to ensure a reliable and strong users authentication on the network
- ACL feature to improve the network security and management
- ARP packet inspection to prevent ARP spoofing and networks hacking
- DHCP Snooping feature to prevent the use of rogue DHCP over the network

H/W	
CPU	Microsemi (Vitesse)
DRAM	1G
Flash memory	128M
Port Configuration	
10M/100M/1G RJ45 Port	16
100M/1G SFP Port	2
Console Port	RJ45
Total Ports	18
HW Performance	
Switching Bandwidth	36Gbps
Forwarding Performance	26.784 Mpps
MAC Address	8K
Jumbo Frames	9216 Bytes
Environmental	
Operating Temperature	0°C to 45 °C
Operating Humidity	10 to 90% RH (non-condensing)
Storage Temperature	-20°C to 70°C
Storage Humidity	10 to 90% RH (non-condensing)
Mechanical	
Dimension (HxWxD)	440mm x240mm x44mm
Weight	3.1g
FAN Less	Yes
Heat dissipation	105.87 BTU/H
Power source	
AC Input	100V-240V
Certifications	
	EN61000-4-5 (for RJ45 Port, Surge 6KV)
	CE / Rohs / Reach

L2 Switching	
Spanning Tree	IEEE802.1D (STP)
	IEEE802.1W (RTSP)
	IEEE802.1S (MSTP)
VLAN	802.1Q VLAN
	Port-Based
	VLAN Entries 4K
	Private VLAN
	Voice VLAN
	Guest VLAN
	Q-in-Q
	802.1v Protocol VLAN
IEEE 802.3ad LACP	MAC-Based VLAN
	IP Subnet-Based VLAN
	Dynamic Trunk
GARP/GVRP	Static Trunk
	Yes
IGMP Snooping	Yes
MLD Snooping	Yes
L3 Features	
	DHCP Server
QoS Features	
Class of Service	Port Based
	802.1p
	DSCP
Rate Limiting	TCP/UDP Port
	Ingress
Priority Queue Scheduling	Egress
	WRR
Hardware Queues	Strict Priority
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Security

ACLs	L2/L3/L4
	IPv6 Support
Port Security (MAC-based)	Yes
IP Source Guard	Yes
Storm Control	Yes
RADIUS Authentication 802.1x	Yes
TACACS+ Authentication	Yes
HTTPs and SSL (Secured Web)	Yes
BPDU Guard	Yes
STP Root Guard	Yes
ARP inspection	Yes
DHCP Snooping	Yes
Loop Protection	Yes

Management

DHCP	Client
	Relay
	Option 66
	Option 67
	Option 82
Event/Error Log	Syslog
Management Access Filtering	SNMP
	Web UI
	Telnet
	SSH
SNMP (v1, v2c, v3)	Yes
RMON (1, 2, 3 & 9 Groups)	Yes
Software Upgrade	Yes
Configuration Export/Import	Yes
SFP DDM	Yes
Port Mirroring	Yes
Thermal Protection	Yes
LLDP (IEEE802.1AB)	Yes
IPv6 Management	Yes
NTP	Yes

Carrier Ethernet

ERPS (ITU-T G.8032)	Yes
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Device Management System

Traffic Monitoring	WEB GUI/CLI/SNMP
Cable Diagnostics	Yes

Associated Products

GGM MSFPSX	1000Base-SX SFP Module, MMF, LC connector, 550m
GGM MSFPLX	1000Base-LX SFP Module, SMF, LC connector, 10km
GGM MSFPFX2	100Base-FX SFP Module, MMF, LC connector, 2km
GGM MSFPFXSM	100Base-FX SFP Module, SMF, LC connector, 40km