

Smart Managed L2 Switch 48-port Gigabit + 4 SFP+ port GGM GS20048G4S



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

GENERAL

Hardware description :

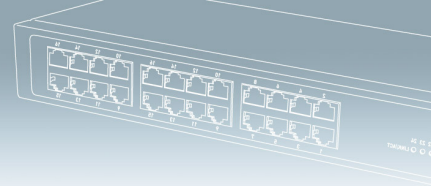
- **CPU : Microsemi (Vitesse)**
- **DRAM : 2Gb**
- **Flash Memory : 128Mb**

Port configuration :

- **48-port Gigabit RJ45 10/100/1000Mbps compatible**
- **4-port 10-Gigabit SFP+ 1000Mbps/10G compatible**

Hardware console :

- **Switching bandwidth : 176Gbps non-blocking**
- **Forwarding performance : 130.944Mbps**
- **MAC Address : 32K**



Certification: **Jumbo Frames : 9216 Bytes**

- EN61000-4-5 : RJ45 port Surge Protection 6KV
- CE / RoHS / Reach

LAYER 2 FEATURES

Spanning Tree :

- 802.1D (STP)
- 802.1W (RSTP)
- 802.1S (MSTP)

VLAN: **ERPS (ITU-T G.8032)**

- 802.1Q VLAN
- Port-Based VLAN
- VLAN entries : 4K
- Private VLAN
- Voice VLAN
- Guest VLAN
- Q-in-Q
- 802.1v protocol VLAN
- MAC-Based VLAN

LACP: **IP Subnet-Based VLAN**

- Dynamic Trunk

QoS features: **Static Trunk**

- Class of Service : Port-Based, 802.1p, DSCP, TCP/UDP port
- Rate Limiting : Ingress and Egress
- Priority Queue Scheduling : WRR and Strict Priority

Security: **Hardware Queues : 8**

- ACLs : L2/L3/L4, IPv6 support
- Port security (MAC-Based)
- IP Source Guard
- Storm Control
- RADIUS Authentication 802.1x
- TACACS+ Authentication
- HTTPS and SSL
- BPDU Guard
- STP Root Guard
- ARP Inspection
- DHCP Snooping

L2 various: **Loopback protection**

- GARP / GVRP
- IGMP Snooping
- MLD Snooping
- DHCP Server

MANAGEMENT

Management Features :

- DHCP Client/Relay, Option 66/67/82
- Event/Error syslog
- Management Access Filtering : SNMP, Web UI, Telnet and SSH
- SNMP v1, v2c and v3
- RMON 1, 2, 3 and 9 groups
- Software Upgrade
- Configuration Import / Export
- SFP DDM(SFF-8472)
- Port Mirroring
- Thermal Protection
- LLDP (802.1AB)
- IPv6 Management

Switch **Management** :

- Monitoring : WEB GUI, SNMP and CLI (Cisco-like)
- Cable Diagnostics