

SG24824M 24-Port Gigabit Switch

- (8) 10/100/1000 Copper Ports
- (24) SFP Fiber Ports
- Web/Telnet/SNMP Managed

Product Features

- 8 Auto-Negotiation 10/100/1000 Copper Combo Ports
- 24 SFP Fiber Ports Support up to 24 Fiber Connections
- Non-Blocking and Wire Speed Forwarding & Filtering
- Port-Based and 802.1Q Tag-Based VLAN
- Quality of Service (QoS)
- IEEE 802.1d Spanning Tree Protocol
- IEEE 802.1w Rapid Spanning Tree Protocol
- 802.1X Port-Based Radius Authentication
- IP Multicasting with IGMP Snooping Function
- Configurable Max Frame Length from 1518 to 9216
- Static and LACP Port Link Aggregation
- Port Mirroring Function
- Event System Log Function
- Port Data Rate Control Function
- Console/Web/Telnet/SNMP Management
- SNMP RMON
- TFTP for Firmware Update



Product Description

VERSITRON's SG24824M 24-Port Gigabit switch is a standard switch that meets all IEEE 802.3 Gigabit and Fast Ethernet specifications. The SG24824M includes (8) 10/100/1000 copper combo ports and (24) SFP fiber ports for up to 24 total ports of connectivity. The SG24824M can be managed through the RS-232 console port or through the switch ports using in-band CLI or Web-based interfaces, associated with the SNMP agent. With the SNMP agent, the network administrator can monitor, configure, and control each port's activity for enhanced network efficiency. In addition, the SG24824M offers useful features such as QoS (Quality of Service), Spanning Tree, Rapid Spanning Tree, Port-Based and 802.1Q Tag-Based VLAN, Port Trunking, Bandwidth Control, Port Security, SNMP/RMON, IGMP Snooping via the intelligent software. The SG24824M is suitable for both metro-LAN and office applications.

Technical Specifications

Standards:	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3x, 802.1Q, 802.1p
Ports:	8 - 10/100/1000 Copper Combo Ports 24 - Gigabit SFP Fiber Ports, (8) are Combo Ports
Copper Ports:	Shielded RJ-45 Connectors 10/100Mbps for Full and Half Duplex 1000Mbps for Full Duplex Auto-Negotiation Auto-MDI/MDI-X Crossover Function
SFP Fiber Ports:	Supports SFP (mini-GBIC) Fiber Modules 1000Mbps for Full Duplex

SG24824M 24-Port Gigabit Switch

- (8) 10/100/1000 Copper Ports
- (24) SFP Fiber Ports
- Web/Telnet/SNMP Managed



Technical Specifications Continued

Performance:	48Gbps Non-Blocking Switching Wire Speed Learning and Forwarding
Network Cables:	10/100Mbps Copper: Cat5 up to 100m 1000Mbps Copper: Cat5e or higher up to 100m Multi-Mode Fiber (MMF): 50/125µm, 62.5/125 µm Single-Mode Fiber (SMF): 9/125 µm
MAC Address Table:	8K Entries
Buffer Memory:	400KB
VLAN:	4096 VLAN Support Port-Based VLAN, 802.1Q Tag-Based VLAN
QoS:	2 Priority Queues Classification: Port-Based, 802.1p, IP TOS, IP DSCP, L4 TCP/UDP, Ingress Rate Control, Egress Rate Control
Bandwidth Control:	Ingress rate control, Egress rate control
Link Aggregation:	LACP or Static Trunking Support Trunking Groups: 12 Max, Ports per Group: 12
Network Security:	802.1x Port-based or MAC-based authentication Access Control List IP-MAC binding for port access control
LED Indication:	Per Unit: Power, CPU Per Copper Port: Link/Activity, Speed Status Per SFP Port: Link/Activity Status
Power Supply:	100-240VAC, 50/60Hz - Consumption = 40W
Dimensions:	17.40 x 8.23 x 1.73 inches (442 x 209 x 44 mm)
Environment:	Operating Temperature: 0° C ~ 40° C Storage Temperature: -20° C ~ 70° C Humidity: 5% ~ 90% non-condensing
Approval:	FCC Class A, CE Mark Class A