



KEY FEATURES

- 8 10/100/1000 Copper Ethernet Ports
- 16 Slots for Mini-GBIC Fiber Modules
- 8K MAC Addresses
- 400KB On-Chip Frame Buffer
- Supports Jumbo Frame Support, up to 9K
- Broadcast/Multicast Storm Suppression
- Port Mirroring
- Port-Base VLAN
- 802.1q Tag-Base VLAN (up to 256)
- VSM (Virtual Stacking Management)
- QoS
- Bandwidth Control
- Spanning Tree
- Port Trunking
- Port Security

DESCRIPTION

The VERSITRON SG24816M 24-Port Gigabit Switch is a standard switch that meets all IEEE 802.3/u/x/z Gigabit, Fast Ethernet specifications. The switch includes 8-Ports of 10/100/1000Mbps UTP and can be populated with up to 16 Mini-GBIC SFP fiber modules. The switch can be managed through the RS-232 serial port via direct connection, or through an Ethernet port using the CLI or Web-based management unit associated with 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 switch features QoS (Quality of Service), Spanning Tree, VLAN, Port Trunking, Bandwidth Control, Port Security, SNMP/RMON, IGMP Snooping capability, and Illegal Access Report via the intelligent software. It is suitable for both metro-LAN and office applications.

SPECIFICATIONS

Standards	802.3 10BaseT 802.3x Flow Control 802.1d Spanning Tree	802.3u 100BaseTX/FX 802.3z 1000BaseSX 802.1x Access Control	802.3 Auto-Negotiation 802.1p/q Tagged VLAN
Connector	TP Port: Shielded RJ-45 jack SX Port: SFP (Mini GBIC)		
MAC Address	8K entries		
On-Chip Buffer	400Kb		
LED Indicators	Per Port: Link/Act./Speed (10/100/1000) Global: Power, CPU		
Environment	Temperature: 0° to 50° C Relative Humidity: 5% to 90% non-condensing		
Dimension	17.40 x 8.23 x 1.73 in. (442 x 209 x 44 mm)		
Power	100 – 240 VAC, 50/60Hz - Consumption = 50W		



802.1Q VLAN:

- Groups 256
 Group VID Value: 1~4094
 Port PVID Value: 1~4094
 Ingress Rules Forward packets with VID equal to PVID
 Egress Rules
- Port Tagging
 - Untag the packets with specific VID

Quality of Service(QoS):

- 802.1p-Based Tag Priority
- IP TOS Classification
- IP DiffServ Classification
- TCP/UDP Port L4 Classification
- All are per port classification.

AVAILABLE SFP MODULES				
MODEL	FIBER	WAVELENGTH	CONNECTOR	DISTANCE
GBMM	Multimode SX (62.5/125) Multimode SX (50/125)	850nm 850nm	LC LC	200 m 500 m
GB10SM	Multimode LX Singlemode LX	1310nm 1310nm	LC	550m 10 Km
GB20SM	Singlemode LX	1310nm	LC	20 Km
GB40SM	Singlemode LX	1550nm	LC	40 Km
GB70SM	Singlemode LX	1550nm	LC	70 Km
GB10SFA	Singlemode LX	Tx: 1310nm Rx: 1550nm	LC	10 Km
GB10SFB	Singlemode LX	Tx: 1550nm Rx: 1310nm	LC	10 Km
GB20SFA	Singlemode LX	Tx: 1310nm Rx: 1550nm	LC	20 Km
GB20SFB	Singlemode LX	Tx: 1550nm Rx: 1310nm	LC	20 Km
GB40SFA	Singlemode LX	Tx: 1310nm Rx: 1550nm	LC	40 Km
GB40SFB	Singlemode LX	Tx: 1550nm Rx: 1310nm	LC	40 Km
GB40SFCxx	Singlemode LX	Tx: xx = 1xx0nm Rx = 1100-1650nm	LC	40 Km
GB80SFCxx	Singlemode LX	Tx: xx = 1xx0nm Rx = 1100-1650nm	LC	80 Km