

28-Port 10/100/1G Layer 2+ Managed Switch with 100/1G SFP Slots

SG72860M

Product Features

- (24) 10/100/1000Mbps Copper Ports
- (4) 100/1G SFP Slots
- L2+ Management
- Supports Multiple VLAN Protocols
- Supports Jumbo Frames up to 10K
- Port Mirroring for Network Monitoring
- Supports STP, RSTP, MSTP Protocols
- Advanced Security Features
- See Page 5 for available fiber optic modules



Technical Specifications

| General | |
|------------------------------|---|
| Network Ports: | <ul style="list-style-type: none"> • (24) 10/100/1000Mbps PoE/PoE+ Copper Ports • (4) 100/1G SFP Slots • Shielded RJ-45, Auto-Negotiate, Auto-MDI/MDI-X Support • Back-pressure flow control for half-duplex • 802.3x flow control for full-duplex |
| Network Cables: | <ul style="list-style-type: none"> • 10/100Mbps: Cat.5 up to 100m • 1Gbps: Cat.5e or higher up to 100m • Multi-mode or Single-Mode fiber with LC Connectors |
| Switching Parameters: | <ul style="list-style-type: none"> • Store and Forward (Full Wire Speed) • 192Gbps Switching Capacity • 41.70Mpps Throughput • 8K MAC Table Entries • 4.1M Buffer Memory • Supports Jumbo Frames up to 10K |
| LED Indicators: | <ul style="list-style-type: none"> • Power • System • Link/Activity |
| Power: | <ul style="list-style-type: none"> • Input: 100-240VAC, 50-60Hz, 1.0A • Consumption: Standby <18W; Full Load <35W |

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Technical Specifications

| Management Features | |
|--------------------------|---|
| Interfaces: | <ul style="list-style-type: none"> • Console/AUX Modem/Telnet/SSH2.0 CLI • Web Management (HTTPS) • Download & Management on FTP, TFTP, Xmodem, SFTP, SNMP V1/V2C/V3 • One-Key Recovery • NTP, System Work Log, Ping Test • Cable Diagnosis, LLDP • CPU Instant Utilization Status View • NMS - Smart Network Management Systems Platform (LLDP+SNMP) |
| Layer 3 Features: | <ul style="list-style-type: none"> • L2+ Network Management • IPV4/IPV6 Management • L3 Soft Routing Forwarding • Static Route |
| DHCP: | <ul style="list-style-type: none"> • Client • Snooping • Server • Relay |
| Port Mirroring: | <ul style="list-style-type: none"> • Port-Based Bidirectional Data Mirroring |
| Port Aggregation: | <ul style="list-style-type: none"> • LACP, Static Aggregation • Max of 14 Aggregation Groups with 8 Ports per Group |
| Spanning Tree: | <ul style="list-style-type: none"> • STP • RSTP • MSTP |

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Technical Specifications

| Management Features Cont. | |
|---------------------------|---|
| Multicast: | <ul style="list-style-type: none"> • IGMP Snooping v1/v2, Max 1024 Multicast Groups • Fast Log Out • MLD Snooping v1/v2 • Multicast VLAN |
| VLAN: | <ul style="list-style-type: none"> • Port-Based VLAN • 802.1Q Tag-Based VLAN, up to 4K active VLANs • MAC-Based VLAN • Protocol Based VLAN • Voice VLAN • Q-in-Q Configuration • Port Configuration of Access, Trunk, Hybrid |
| QoS: | <ul style="list-style-type: none"> • Diff-Serv QoS, Priority Mark/Remark • 8 Output Queues for Each Port • 802.1p/DSCP Priority Mapping • Queue Scheduling Algorithm (SP, WRR, SP+WRR) • Flow-Based Packet Filtering • Flow-Based Rate Limiting |
| ACL: | <ul style="list-style-type: none"> • L2 to L4 Packet Filtering • Mac-Based ACL • Destination MAC Address • IP Source • Destination IP • IP Protocol Type • TCP/UDP Port • TCP/UDP Port Range • VLAN • Port-Based Issuing ACL |
| Security: | <ul style="list-style-type: none"> • User Hierarchical Management and Password Protection • SSH 2.0, SSL, Port Isolation, ARP Message Speed Limit • Broadcast Storm Control • IEEE802.1X & MAC Address Authentication • MAC Black Holes • IP Source Protection • AAA & RADIUS • MAC Learning Limit • ARP Inspection • Anti-DOS Attack • IP-MAC-VLAN-Port Binding |

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Technical Specifications

| Physical Parameters | |
|------------------------|---|
| Dimensions: | <ul style="list-style-type: none"> • 17.32 x 11.42 x 1.75 inches (440 x 290 x 44.5mm) (WxDxH) • Weight: 7.05 Pounds • Desktop or 19" Rack-Mount, 1U High |
| Temperature: | <ul style="list-style-type: none"> • Operating: -20°C to 55°C • Storage: -40°C to 75°C • Humidity: 5% to 95% relative, non-condensing |
| Certifications: | <ul style="list-style-type: none"> • CE Mark • FCC Part 15, Class B • RoHS |



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Available SFP Modules

| Model | Speed (Mbps) | Wavelength | Media | Distance | Connector | TX Power | RX Sens | Temp |
|---------|--------------|--------------------------|-------|--------------------------|-----------|-----------|---------|------------|
| FEMM | 100 | 850nm | MMF | 62.5µ: 220m 50µ: 550m | LC | -10 ~ -4 | < -24 | 0 to 70° C |
| FE2MM | 100 | 1310nm | MMF | 2km | LC | -20 ~ -4 | < -31 | 0 to 70° C |
| FE10SM | 100 | 1310nm | SMF | 10km | LC | -15 ~ -8 | < -34 | 0 to 70° C |
| GBMM | 1000 | 850nm | MMF | 62.5µ: 220m 50µ: 550m | LC | -9.5 ~ -4 | < -18 | 0 to 70° C |
| GB2MM | 1000 | 1310nm | MMF | 2km | LC | -9 ~ -1 | < -19 | 0 to 70° C |
| GB10SM | 1000 | 1310nm | SMF | 10km | LC | -9.5 ~ -3 | < -20 | 0 to 70° C |
| GB20SM | 1000 | 1310nm | SMF | 20km | LC | -4 ~ +1 | < -24 | 0 to 70° C |
| GB40SM | 1000 | 1550nm | SMF | 40km | LC | -4 ~ +1 | < -24 | 0 to 70° C |
| GB70SM | 1000 | 1550nm | SMF | 70km | LC | 0 ~ +5 | < -24 | 0 to 70° C |
| GB100SM | 1000 | 1550nm | SMF | 100km | LC | 0 ~ +5 | < -30 | 0 to 70° C |
| GB10SFA | 1000 | Tx: 1310nm Rx: 1550nm | SMF | 10km | LC | -3 ~ -9 | < -21 | 0 to 70° C |
| GB10SFB | 1000 | Tx: 1550nm Rx: 1310nm | SMF | 10km | LC | -3 ~ -9 | < -21 | 0 to 70° C |
| GB20SFA | 1000 | Tx: 1310nm Rx: 1550nm | SMF | 20km | LC | -3 ~ -8 | < -23 | 0 to 70° C |
| GB20SFB | 1000 | Tx: 1550nm Rx: 1310nm | SMF | 20km | LC | -3 ~ -8 | < -23 | 0 to 70° C |
| GB40SFA | 1000 | Tx: 1310nm Rx: 1550nm | SMF | 40km | LC | -3 ~ +2 | < -23 | 0 to 70° C |
| GB40SFB | 1000 | Tx: 1550nm Rx: 1310nm | SMF | 40km | LC | -3 ~ +2 | < -23 | 0 to 70° C |
| GB60SFA | 1000 | Tx: 1310nm Rx: 1550nm | SMF | 60km | LC | 0 ~ +5 | < -24 | 0 to 70° C |
| GB60SFB | 1000 | Tx: 1550nm Rx: 1310nm | SMF | 60km | LC | -2 ~ +4 | < -25 | 0 to 70° C |
| GB80SFA | 1000 | Tx: 1310nm Rx: 1550nm | SMF | 80km | LC | -2 ~ +3 | < -26 | 0 to 70° C |
| GB80SFB | 1000 | Tx: 1550nm Rx: 1310nm | SMF | 80km | LC | -2 ~ +3 | < -26 | 0 to 70° C |

CWDM and DWDM modules are also available. Call for details.