

Key Features:

Device Management

- Network management through Web GUI, command-line interface (CLI), and Telnet
- Easy firmware upgrading
- Save configuration files and upload them for one-step configuration of multiple devices.
- Auto-logging for easy debugging
- User password protection
- Easy-to-read blue LED indicators aid in cable installation and diagnostics.

Standards

- IEEE 802.3 Ethernet, IEEE 802.3u Fast Ethernet, and IEEE 802.3ab 1000BASE-T Gigabit Ethernet

Protocol features:

- Full-duplex flow control (IEEE 802.3x), and half-duplex backpressure
- Support for 802.1Q VLAN, Port-based VLAN, and IEEE 802.1Q Tag VLAN
- Supports 802.1P, DSCP/COS
- Supports IEEE 802.1D Spanning Tree and IEEE802.1W fast Spanning Tree protocols

Ports:

- 24 ports, 10/100/1000Mbps UTP/STP RJ45 (MDI/MDIX supported)
- Port trunking and bandwidth control
- Port send/receive statistics through GUI
- Configurable port speed, duplex mode, and priority queues.
- Supports Aggregation for each port

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SW24-GBM

ENTERPRISE-CLASS, FULLY MANAGED 24-PORT GIGABIT SWITCH WITH SFP AND BACK-SIDE CABLE CONNECTIONS

The SW24-GBM Enterprise-Class rack-mountable Gigabit Ethernet switch is designed for maximum performance and convenience. All cables install from the rear, for the clean-finished rack appearance that custom installers and their clients prefer. The SW24-GBM can be configured by Web GUI, serial command-line interface (CLI), or Telnet. VLAN and IGMP Snooping ensure that your IP-based Audio/Video Network will be optimally robust. Plug-and-play and auto-negotiation capabilities allow the switch to auto-detect a link partner with the best available speed.



The SW24-GB is cased in a heavy-duty 1U housing designed for easy installation and maintenance. (Rack-mount hardware is included.) The SW24-GB supports Nway auto-negotiation to automatically detect network speed (10/100/1000 Mbps) and Full/Half duplex mode. And Auto-MDI/MDIX port functionality eliminates the need for crossover cables. Rich diagnostic blue LEDs provide real-time status monitoring. The SW24-GBM combines two SFP expansion slots to support Mini-GBIC modules. Series modules can be smoothly connected with Gigabit networking to ensure optimal networking speed and performance.



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(Key Features continued from first page)

- Port-based mirroring

Security

- Port security control, broadcast storm control, and address aging
- Support for Static Port Priority and IEEE 802.1p Priority
- Supports Priority Queues and ingress policy
- Supports IGMP Snooping

VLAN Features

- Supports MTU VLAN
- IP address configuration through the VLAN management interface

MAC Address Management

- Full MAC address management, including MAC address auto-scanning, filtering, and self-learning
- Supports configuration of MAC address aging time
- Supports maximum 8K MAC address table
- Supports IP address and MAC address binding

Other Features

- SNMP
- LACP link aggregation
- Supports ARP setup
- Supports ARP flooding protection
- 2 SFP expanding modular socket interfaces: 1000M fiber/UTP module
- Built-in universal power supply
- 19-inch 1U heavy duty metal case with back-side cable connections
- Blue LED's Indicators

Specifications - SW24-GBM

NETWORK STANDARDS COMPATIBILITY

IEEE 802.3i 10BASE-T
IEEE 802.3u 100BASE-TX, 100BASE-FX
IEEE 802.3ab 1000BASE-T
IEEE 802.3z 1000BASE-X
IEEE 802.3x flow control

PHYSICAL INTERFACES

- RJ45 Connectors for 10BASE-T, 100BASE-TX, and 1000BASE T (Auto Uplink™ on all ports): 24 ports
- Small form-factor pluggable (SFP) modules for fiber Gigabit Ethernet interfaces (2 slots)
- RS232 console port – RJ45 8-pin plug to 9-hole DB9 plug

LED'S

Blue LED's for Speed, Link, Activity and Power

PHYSICAL SPECIFICATIONS

Dimensions (w x d x h): 440 x 205 x 43 mm
(17.3 x 8.1 x 1.6 in)
Weight: 2.27 kg (5.0 lbs)

ENVIRONMENTAL SPECIFICATIONS

Operating temperature: 0° to 55° C (32° to 131° F)
Storage temperature: 20° to 70° C (4° to 158° F)
Operating humidity: 90% maximum relative humidity, non-condensing
Storage humidity: 95% maximum relative humidity, non-condensing

ELECTRICAL SPECIFICATIONS

Power consumption: 38.5W maximum

ELECTROMAGNETIC EMISSIONS

CE mark
EN 55022 Class A (Emissions)
EN 55024 (Immunity)
FCC Part 15 Class A
VCCI Class A
C-Tick

LAYER 2 SERVICES

IEEE 802.1Q static VLAN (1024)
IEEE 802.1p Class of Service (CoS)
IEEE 802.1D Spanning Tree Protocol
IEEE 802.1v Protocol VLAN, Port VLAN, and MAC-based VLAN
IP subnet-based VLAN
IEEE 802.1 Q-in-Q
IEEE 802.1w Rapid Spanning Tree
IEEE 802.1s Multiple Spanning Tree
IEEE 802.3ad Link Aggregation (LACP)
IEEE 802.1x port access authentication
IGMP v1, v2, v3 snooping support
Static multicast filtering
Ingress rate limit in 1 Kbps increments
Weighted round robin (WRR) queue technology
MLD v1, v2 snooping

SECURITY

Access Control Lists (ACL)
MAC, IP, TCP ACLs: L2/L3/L4
Network storm protection including broadcast multicast and unicast traffic
MAC filtering
Private group CoS
IEEE 802.1x port access authentication
Port security
DoS
Dynamic ARP inspection
RADIUS (RFC 2865)
RADIUS accounting (RFC 2866)
TACACS+

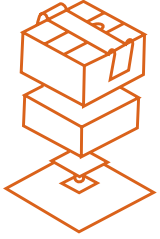
SWITCH MANAGEMENT SPECIFICATIONS

SNMP v1, v2c, v3 with multiple IP addresses
RFC 1157, 1902-1907
RFC 768 UDP
UDP relay
RFC 854-859 telnet
RFC 951 BOOTP
RFC 1213 MIB II
RFC 1757 RMON groups 1, 2, 3, and 9
RFC 1215 SNMP Traps
RFC 1493 Bridge MIB
RFC 1643 Ethernet Interface MIB
RFC 1534 DHCP and BOOTP interoperation
RFC 2131, 2132 DHCP, and BOOTP
Private Enterprise MIB
Port mirroring support (many-to-one)
DHCP/BOOTP relay-primary and backup (RFC 3046, option 82)
RFC 2030 Simple Network Time Protocol (SNTP)
DHCP server
DHCP L2 relay
IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED)
DHCP relay (with backup servers)
GARP/GVRP/GMRP
SYSLOG
TFTP, SFTP, HTTP, SCP, or local USB flash firmware upgrade
Port description
RFC 1519 CIDR
Proxy ARP
DNS lookup

PERFORMANCE

Forwarding modes: Store-and-forward

(Specifications continued on next page)



Specifications - SW24-GBM

(Specifications continued from previous page)

SPECIFICATIONS

System memory: 128 MB
Packet buffer memory: 1.5 MB buffer memory
Code storage (flash): 32 MB
Address database size: 8 K media access control (MAC) addresses
Number of VLANs: 1024 (1-4093)
Number of trunks: 64
Number of queues: 8
Number of static route: 32
Number of routed VLANs: 32
Number of ARP entries: 480
Number of ACL rules: 224
Jumbo frame support: up to 9 K packet size

USER INTERFACES

Command Line Interface (CLI) via console port
Web-based management via embedded HTTP server protected with Secure Sockets Layer
Telnet remote login

MAINTENANCE

Supports debugging output
Supports ping (Packet Internet Groper)

QoS

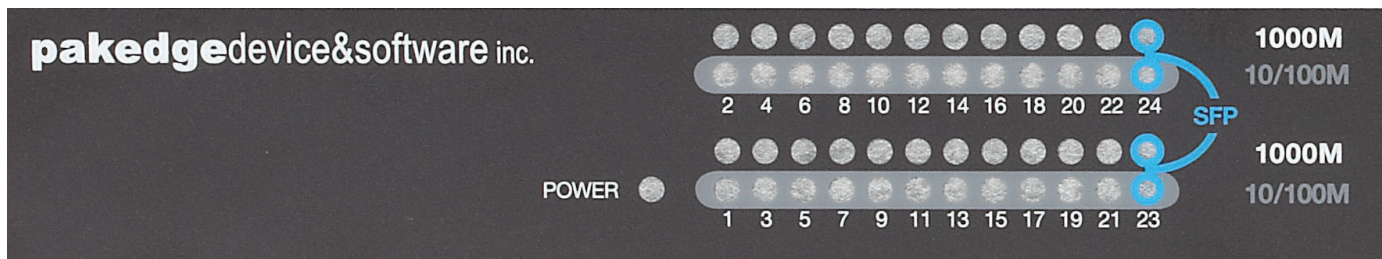
Supports 802.1p/DSCP priority
Supports strict priority (SP), weighted round of tour scheduling (WRR)
Supports 4 priority queues
Supports port-based bandwidth control

STATISTICS

Supports the port send and receive message of statistics

SECURITY FEATURES

Supports user password protection



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