

Key Benefits:

- Sixteen 10/100M ports
- Two Gigabit Uplinks – RJ45 or SFP
- Full remote management through Web browser, console serial cable (CLI), or Telnet
- All sixteen ports can provide 15.4W of power.
- Remote Power Cycling per individual port for rebooting unresponsive devices
- Heavy-duty metal 1U housing with rack-mount hardware included
- Clean front face – all cables install from rear.
- Quiet operation
- 802.1q-capable to support VLAN tagging
- 802.1p-capable to support Quality of Service
- Auto-detect powered devices and power consumption levels

SW16-16PB

MANAGED 16-PORT POWER-OVER-ETHERNET SWITCH WITH 2 GIGABIT UPLINK PORTS FULL 15.4W ON ALL 16 PORTS WITH REMOTE POWER CYCLING

The SW16-16PB managed Enterprise Class Power-Over Ethernet switch offers a unique spectrum of features and convenience for PoE-enabled network audio/video devices – including touch panels, wireless access points, and IP cameras.



The SW16-16PB has sixteen 10/100Mbps Fast Ethernet ports and two Gigabit uplink ports that support RJ45 or SFP connectors. The switch can supply up to 15.4W of power to sixteen 802.af-compliant PoE-enabled devices. In the event a device needs to be rebooted, or becomes unresponsive, each individual port can be remotely power-cycled.

The SW16-16PB can be fully configured and managed using a Web browser, CLI, or Telnet. It supports audio/video bridging, 802.1q VLAN, and 802.1P Quality of Service, allowing PoE devices to pass and receive VLAN tags and control Quality of Service – an important feature for streaming audio and video.

The SW16-16PB is cased in a heavy-duty 1U metal housing, with rack-mount hardware included. All cables install from the rear, giving the switch a clean front face. Even though the switch is capable of punching out 250W of total power to sixteen PoE devices, it has extremely quiet fans, an important point for audio/video rack installations.

Package Contents:

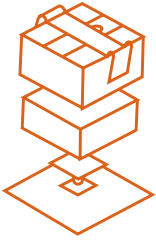
- One Gigabit Ethernet switch
- Power cord
- Rack mount brackets
- User's manual



HTTP://
WWW.
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Specifications - SW16-16PB

GENERAL

Sixteen Ports 10/100Mbps
Two Ports 10/100/1000m combo (RJ45 or SFP)

MAC ADDRESS TABLE SIZE

8K

SWITCH FABRIC

8.8Gbps Forwarding Capacity

TRANSMISSION METHOD

Store-and-forward

DIAGNOSTIC LEDs

Supports the port send and receive message of statistics

PACKET BUFFER MEMORY

On-chip 512Kbytes Buffer Memory per device

DIMENSIONS (L X W X H)

17.4 in x 11.8 in x 1.73 in
(442 mm x 300 mm x 44 mm)

WEIGHT

10 lbs (4.5 Kg)

POWER CONSUMPTION (MAX.)

32W + 15.4W*16 ports = 278W

802.3af PoE SUPPORT

Per 10/100BASE-T Port

POWER PROVISION PER PORT (MAX.)

15.4W

AUTO POWER/DEVICE DISCOVERY

Yes

OVER-CURRENT PROTECTION

Yes

POWER INPUT

AC 110 ~ 240 V, 47 ~ 63 Hz, 1A/230V, double power hot standby

POE POWER PINS

1, 2, 3, 6 (RJ45)

PORT & SLOT

10/100M RJ45
1000M RJ45

STACKING

Up to 16 in a stack

TEMPERATURE

Operating: 0 ~ 50°C
Non-operating: -40 ~ 70°C

HUMIDITY

0 ~ 90% (no condensing)

FUNCTIONS

SPANNING TREE

IEEE 802.1D STP, IEEE 802.1w RSTP, 802.1s MSTP

VLAN

Port-based VLAN, 802.1Q tag VLAN, Private VLAN, GVRP dynamic VLAN configuration

VLAN NUMBER

4K (256 active VLANs)

RATE LIMIT

Unit: 100K

STORM CONTROL

Stop sending at threshold to restrict broadcast storms

TRAFFIC CONTROL

Back pressure at half-duplex, 802.3x at full-duplex, CAR support, 64K step size for 100-M ports, 8 M step size for Gigabit ports

MULTICAST CONTROL

IGMP snooping

PORT TRUNKING

Up to 14 groups with up to sixteen ports per group, dynamic LACP or static aggregation

PORT MIRRORING

Supported; can be based on flow classification

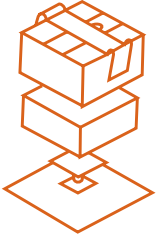
CLUSTERING

Up to 32, manageable through single IP

DHCP

DHCP snooping, DHCP option 82, IP source guard

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Specifications - SW16-16PB

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SECURITY

- IEEE 802.1x port-based user authentication
- Port Security
- Hardware support for IP ACL, MAC ACL, VLAN ACL
- Hardware support for IPv6
- Source/destination/TCP/UDP/protocol-based ACL
- Hardware support for time-based ACL
- Hardware support for DHCP snooping
- Hardware support for DAI, static/dynamic anti-ARP attack
- Support for Web-interface authentication
- Remote authentication through RADIUS
- Support for Cisco TACACS+ access control
- User privilege classification and password protection

QoS

- Head Of Line (HOL) blocking prevention mechanism
- Four dispatching queues per port, mapping the sixteen priority queues in 802.1p
- Best Effort Service
- Differentiated Service
- Strict Priority
- Weighted Round Robin
- First Come, First Served
- TOS re-tagging
- RTS

NETWORK MANAGEMENT

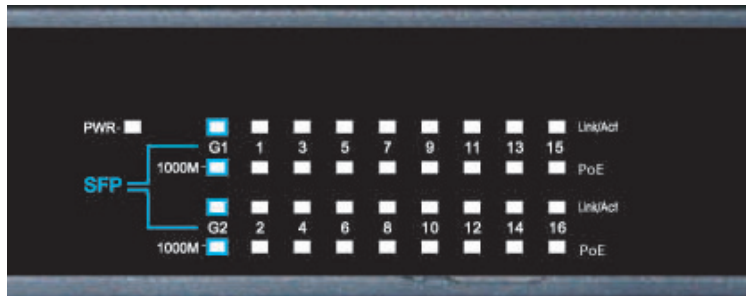
- SNMP v1/v2
- RMON (Group 1, 2, 3, 9)
- Telnet
- Command Line Interface (CLI)
- Web interface
- Support BDCOM network management tools suite: Broad Director
- NTP
- SSH
- LLDP

SOFTWARE UPGRADE

- HTML/TFTP/FTP

CONFIGURATION - UPLOAD / DOWNLOAD

- HTML/TFTP/FTP



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