

Key Features:

- Twenty-four 10/100M ports
- Two Gigabit Uplinks – RJ45 or SFP
- Full remote management through Web browser, console serial cable (CLI), or Telnet
- All 24 ports can provide 15.4W of power each.
- Remote Power Cycling per 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

SW24-24PB

MANAGED 24-PORT POWER-OVER-ETHERNET SWITCH WITH TWO GIGABIT UPLINK PORTS FULL 15.4W ON ALL 24 PORTS WITH REMOTE POWER CYCLING

SW24-24PB is an Enterprise-Class, Managed switch that is an ideal solution to power network audio video devices that require PoE- such as touch panels, wireless access points and IP cameras. The SW24-24PB has (24) 10/100Mbps Fast Ethernet ports and two Gigabit uplink ports that can support either RJ45 or SFP connectors.



The Switch is able to supply power to PoE enabled devices that are 802.af compliant. Each port can support up to a full 15.4 Watts of power on all 24 ports. In addition- each port can be power cycled if a connected PoE device needs to be rebooted or becomes unresponsive.

The Switch is fully managed and can be configured by web browser, CLI or Telnet. In addition, to support Audio Video Bridging, it features 802.1q VLAN and 802.1P- Quality of Service. Now, PoE devices that are connected to the SW24-24PB can pass and receive VLAN tags and control Quality of Service, important for streaming audio and video.

The SW24-24PB is housed 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. Finally, even though the switch is capable of punching out 370 Watts of power to 24 separate PoE devices, it has extremely quiet fans – a key feature when installed in an Audio-Video rack.



pakedgedevice&software inc.

Specifications - SW24-24PB

GENERAL

(24) Ports 10/100Mbps, (2) 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

Per Unit: Power;
Per Port: Activity/Link, Speed

PACKET BUFFER MEMORY

On-chip 512Kbytes Buffer Memory per device

PHYSICAL SPECIFICATIONS

Dimensions (w x d x h):
17.4 in x 11.8 in x 1.73 in
(442 mm x 300 mm x 44 mm)
Weight: 14 lbs (6.3 Kg)

ENVIRONMENTAL SPECIFICATIONS

Operating temperature: 0° to 50° C (32° to 122° F)
Storage temperature: -40° to 70° C (-40° to 158° F)
Operating humidity: 90% maximum relative humidity, non-condensing

ELECTRICAL SPECIFICATIONS

Power consumption: 20W + 15.4W 24 ports = 390W maximum

802.3AF POE SUPPORT

Per 10/100BASE-T Port

POWER PROVISION PER PORT

15.4W maximum

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 PINES

1, 2, 3, 6 (RJ45)

PORT & SLOT

10/100M RJ45
1000M RJ45

STACKING

Up to 16 in a stack

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

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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 8 ports per group, dynamic LACP or static aggregation

PORT MIRRORING

Supported; can be based on flow classification

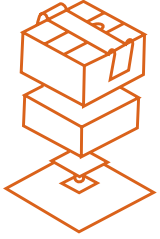
CLUSTERING

Up to 32, manageable through single IP

DHCP

DHCP snooping, DHCP option 82, IP source guard

(Specifications continued on next page)



Specifications - SW24-24PB

(Specifications continued from previous page)

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
- 4 dispatching queues per port, mapping the 8 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

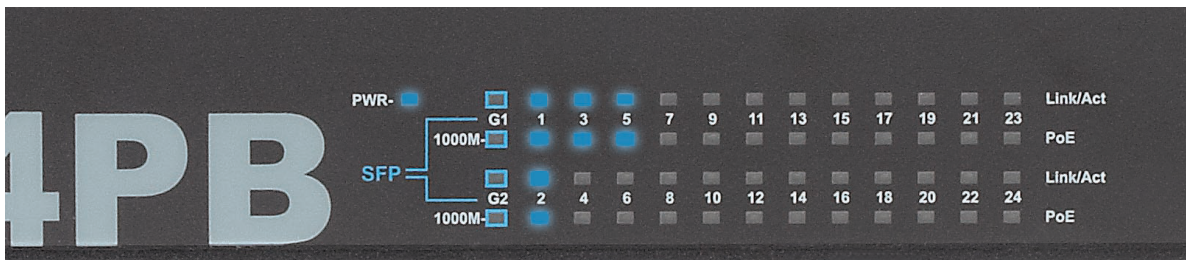
- SNMP v1/v2
- RMON (Group 1, 2, 3, 9)
- Telnet
- Command Line Interface (CLI)
- Web interface
- Support BDCOM network management tools suite: Broad Director
- NTP
- SSH
- LLDP

SOFTWARE UPGRADE

HTML/TFTP/FTP

CONFIGURATION UPLOAD/DOWNLOAD

HTML/TFTP/FTP



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