



2014 Catalogue

PoE Commercial Switches



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PoE Injector

Description:

The PoE Injector BSD-PS150S fully complies with IEEE 802.3af standard, and can work with all IEEE 802.3af PoE compliant PDs (Powered Devices), PoE Receiver Adapters, or other equivalent product, to expand your network where there are no power line or outlet, where you wish to fix device such as AP, IP Camera or IP Phone, etc.



Features:

- IEEE 802.3af compliant
- Delivers power up to 100 meters
- Auto-determine the necessary power requirements
- Plug-and-Play, requires no configuration
- External power adapter supply

Interface	2 10/100/1000Mbps RJ45 Port AUTO Negotiation/AUTO MDI/MDIX 1 48VDC POWER INPUT PORT
Network Media	10BASE-T: UTP category 3, 4, 5 cable (Max 100m) EIA/TIA-568 100Ω STP (Max 100m) 100BASE-TX: UTP Category 5, 5e cable (Max 100m) EIA/TIA-568 100Ω STP (Max 100m) 1000BASE-T: UTP category 5, 5e, 6 cable (Max 100m)
Dimensions (W X D X H)	3.2*2.1*0.9 in.(80.8*54*24 mm)
LED Indicator	PWR
Power Supply	15.4W (Max. 48VDC)
Basic Function	Compatible With IEEE 802.3af Compliant PDs Delivers Power Up To 100 Meters Auto-Determine The Necessary Power Requirements
Certification	FCC, CE, RoHS
System Requirements	Microsoft® Windows® 98SE, NT, 2000, XP, Vista™ or Windows 7, MAC® OS, NetWare®, UNIX® or Linux.
Environment	Operating Temperature: 0°C~40°C (32°F~104°F) Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing

Ordering Information

BSD-PS150S	BSD 10/100/1000TX PoE Injector 15W max
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8 10/100TX Port PoE Desktop Switch

Overview

BSD-PS1008 is a desktop Power-over-Ethernet (POE) switch. It provides 8 10/100Mbps Auto-Negotiation RJ45 ports. All 8 ports support Auto MDI/MDIX functions which include 8 ports with POE function. It can automatically detect and supply power to the IEEE 802.3af/at compliant Powered Devices (PDs), like Voip Phones, PoE APs, IP Phones, IP cameras, etc. This POE Switch is a Plug-and-Play unit and with a reliable POE adapter to supply power for both the network switch and the POE functions.

The BSD-PS1008 is a small size metal case device which is the perfect fit for the small office, home and IP solution projects.

Key Features

- Conforms to IEEE802.3, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE802.3af
- Provides 8 10/100Base-TX ports, include 4 or 8 POE ports
- High back-plane bandwidth 1.6 Gbps
- Power Adapter supply power for both network switch and POE
- IEEE802.3x Flow control
- Surge protection for power port and data ports
- Supports PoE IEEE 802.3af compliant Powered Device (PD)
- Small size metal case for the POE switch
- EMI standards complies with FCC, CE class B



Specifications

Ports	8 10/100Base-TX
LED Indicators	PWR, PoE, Link/Act LED.
Input voltage	100V~240V AC, 50/60Hz (for power adapter) 48VDC (for switch)
Power	130W (125W effective PoE)
Operating temperature	0°C~40°C (32°~ 104°)F
Storage temperature	-10°C~70°C (14°~158°) F
Relative humidity	20%~85% (non-condensing).
Switching capacity	1.6G.
MAC address table	4K.
Traffic control	IEEE 802.3x full-duplex flow control.
Size	13.7x7.5x2.5cm (5.39x2.95x0.98) `` 1 kg (2.2lb) weight
PoE	
PoE ports	8 10/100Base-TX ports.
PoE Standard	IEE802.3af, per port 15.4W.
Pin assignment	V+ (RJ45 Pin 4, 5), V- (RJ45 Pin 7, 8).

Ordering Information

BSD-PS1008-8P	8 10/100TX Port Unmanaged PoE Desktop Switch
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8 10/100/1000TX PoE Port Desktop/Rackmount Unmanaged Switch

Overview

The BSD-1008PGE is an 8-Port Gigabit Desktop/Rack mountable Switch with all 8 ports supporting the PoE+ standard. It provides a simple way to expand a wired network by transferring power and data over a single Ethernet Cable. With a total power budget of 120W, up to max 30W per port, BSD-PDS1080T can power more high-powered devices such as wireless Access Points (APs), IP Cameras or IP Phones. All 8 ports of BSD-1008PGE support Power over Ethernet Plus (PoE+) standard which can automatically detect and supply power to any IEEE 802.3af/at compliant device(s). In this situation, the electrical power is transmitted along with data in a single cable, allowing you to expand your network where there are no electrical cables or outlets.

BSD-1008PGE is a plug-and-play switch, easy to install and use. It requires no configuration or installation. With its Desktop/Rack mountable design, outstanding performance and quality, this gigabit Desktop/Rack mountable Switch with 8-Port PoE is a great choice for expanding your home or office network.



Key Features

- 8 10/100/1000Mbps Auto-Negotiation RJ45 ports with 8 POE port
- Works with IEEE802.3af/at compliant devices, expanding home and networks
- Bandwidth 16Gbps
- Max power for single port is 30W (within total power)
- Supports automatically detect function to protect the system when the system power is overloaded or there is non-POE device
- LED indicators for monitoring power, link, activity and speed
- Plug and play design, no configuration needed.
- 150W built-in power

Ordering Information

BSD-1080PGE	8 10/100/100TX PoE Desktop/Rackmount Switch max 120W Power Budget
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Specifications

Standards	IEEE802.3, 802.3u, 802.3af/at, 802.3x CSMA/CD, TCP/IP
Interface	8 10/100/1000Mbps RJ45 Ports AUTO Negotiation/AUTO MDI/MDIX
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 100BASE-TX: UTP category 5, 5e, 6 cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 1000BASE-T: UTP category 5, 5e, 6 or above cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m)
PoE Ports (RJ45)	Standard: 802.3at/af compliant PoE Ports: 8 Ports Power Supply: 150W, 120W switch power budget
Backbound Bandwidth	16Gbps
Mac Address Table	8K
LED Indicator	Power, Link-Act (10/100/1000Mbps)
Dimensions (W x D x H)	11.2*7.1*1.7 in. (280*180*44 mm)
Power Supply	100-240VAC, 50/60Hz
Advanced Features	Compatible With IEEE 802.3af/at Compliant PDs Mac Address Auto-Learning And Auto-Aging IEEE802.3x Flow Control For Full-Duplex Mode And Back- pressure For Half-Duplex Mode
Transfer Method	Store-And-Forward
Certification	FCC, CE, RoHS
Consumption	9.5 watts (max. no PD connected), if full loaded can connect 15W PoE device on each port
Environment	Operating Temperature: 0°C ~40°C (32°F-104°F) Storage Temperature: -10°C ~70°C (14°F-158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing

24 10/100/1000TX PoE PORT with 4 GIGABIT /SFP COMBO MANAGED SWITCH



Overview

The BSD-3424P provides 24 10/100/1000Mbps ports that supports 802.3at/af-compliant PoE , with a total PoE power supply up to 320W, powerful and flexible enough for users to deploy wireless access points or IP-based network surveillance cameras. The switch also comes equipped with 4 combo SFP slots, expanding your network flexibly. In addition, it provides high performance, enterprise-level QoS, advanced security strategies and rich layer 2 management features. With all these advanced features, BSD-3424P L2 Managed PoE Switch is an ideal choice for small and medium business networking. This switch has robust security and management features. The IP-MAC-Port-VID Binding and Access Control List (ACL) functions protect against broadcast storm, ARP and Denial-of-Service (DoS) attacks, etc. Quality of Service (QoS, L2 to L4) provides enhanced traffic management capabilities to move your data smoother and faster. The easy-to-use web management interfaces, along with CLI, SNMP and RMON, mean faster setup and configuration with less downtime. For workgroup and departments requiring cost-sensitive Layer 2 Switch and gigabit capability, BSD-3424P Gigabit L2 Managed PoE Switch provides you the ideal access-edge solution.

Key Features

- PoE Features
- Standard: 802.3at/af compliant
- PoE Ports: 24 Ports
- Power Supply: 320W
- Layer 2 Features
- Link Aggregation Control Protocol (LACP)
- 4K VLAN
- GVRP (GARP VLAN Registration Protocol)
- STP/RSTP/MSTP
- IGMP Snooping
- LLDP, LLDP-Med
- Quality of Service
- 4 priority queues
- DSCP QoS
- Rate limit feature
- Security Strategies
- IP-MAC-Port-VID Binding
- Access Control List (L2-L4 ACL)
- 802.1x and RADIUS Authentication
- Support DoS defend
- Port Security
- SSL and SSH encryptions
- Management
- Web-based GUI
- Command Line Interface
- SNMP v1/v2c/v3
- RMON (1,2,3,9 group)

Ordering Information

BSD-3424P	24-Port Gigabit PoE L2 Managed Switch with 4 Combo SFP Slots 320W
BSD-SFPGLC	1.25Gbps 1310 nm 1000Base SFP module LC Multimode 2km
BSD-SFPGLC-20	1.25Gbps 1310 nm 1000Base SFP module LC Singlemode 20km

Specifications

Interface	24 10/100/1000Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) 4 Combo 10/100/1000Mbps SFP Slots 1 Console Port
Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE 802.3ad, IEEE 802.3x, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1x, IEEE 802.1p
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE-TX/1000Base-T: UTP category 5, 5e, 6 or above (maximum 100m) 1000BASE-X: MMF, SMF
PoE Ports (RJ45)	Standard 802.3at/af compliant, 24 ports , total Power 320W
Bandwidth Backplane	48Gps
MAC Address	8k
Forwarding Rate	35.7 Mpps
Jumbo Frame	10240 Bytes
L2 Switching Features	IGMP Snooping V1/V2/V3 802.3ad LACP (Up to 8 aggregation groups, containing 8 ports per group) Spanning Tree STP/RSTP/MSTP BPDU filtering/guard, TC/Root protect, Loop back detection 802.3x Flow Control
QoS	Support 802.1p CoS/DSCP priority , Support 4 priority queues Queue scheduling: SP, WRR, SP+WRR Port/Flow- based Rate Limiting, Voice VLAN
VLAN	Support IEEE802.1Q with 4K VLAN groups and 4K VIDs Port/ MAC/Protocol-based VLAN GARP/GVRP
Access Control list	L2~L4 package filtering based on source and destination MAC address, IP address, TCP/UDP ports, 802.1p, DSCP, protocol and VLAN ID Time Range Based
Security	IP-MAC-Port-VID Binding IEEE 802.1X Port/MAC Based authentication, Radius, Guest VLAN DoS Defence, Dynamic ARP inspection (DAI), SSH v1/v2, SSL v2/v3/TLSv1 Port Security, Broadcast/Multicast/Unknown-unicast Storm Control
Management	Web-based GUI and CLI management SNMP v1/v2c/v3, compatible with public MIBs and private MIBs RMON (1, 2, 3, 9 groups), DHCP/BOOTP Client, DHCP Snooping, DHCP Option82, CPU Monitoring, Port Mirroring, Time Setting: SNTP, Integrated NDP/NTDP feature, Firmware Upgrade: TFTP & Web, System Diagnose: VCT SYSLOG & Public MIBS
Certification	CE, FCC
Power	100~240VAC, 50/60Hz
System Requirements	Microsoft® Windows® 98SE, NT, 2000, XP, Vista™ or Windows 7, MAC® OS, NetWare®, UNIX® or Linux.
Dimensions	440 x 332 x44 mm (17.32 x 13.1 x 1.73)"
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing