



BSD 48 Port L3 Managed Gigabit PoE Switch with
4 (10G) SFP Slots - 450W Power

BSD-4804P10



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Overview:

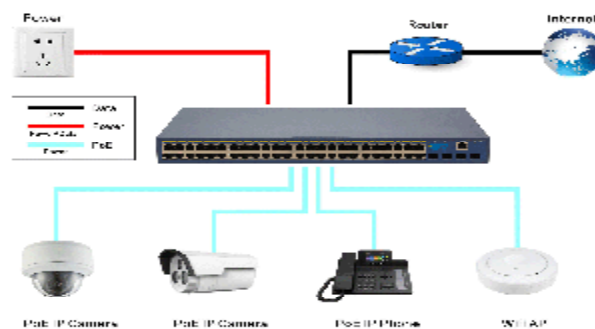
The BSD-4804P10, a L3 Managed PoE Switch, offers 48*10/100/1000 BASE-T PoE Ports and 4*10 Gigabit SFP+ Uplink Ports, embedded inside 450watt PoE Power budget (800watt PoE power budget available for choice), switch provides high-performance, powerful and abundant L2/L3 Switching functions like static routing, enterprise-level QoS, advanced security strategies and a bundle of ISP Features.

The IP-MAC-Port Binding (IMPB) 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) enhance traffic management capabilities to move your data smoother and faster, and advanced EPRS looping technology to improve the rapid self-recovery capability outdoor IP surveillance and wireless network applications.

Along with the-easy-to use CLI web management interfaces, The BSD-4804P10 provides a reliable, secure solution for enterprise, campus and ISP networks requirement.

High-lights:

- Ø 48 x 10/100/1000BASE-T PoE ports with 4 x 10G SFP+ ports
- Ø 450W PoE Power Budget
- Ø Static Routing, DHCP server and MSTP
- Ø Layer 2 management and security with Layer 3 capabilities
- Ø L2/L3/L4 QoS and IGMP snooping optimize voice and video application
- Ø Support short-circuit protection and Over-current protection
- Ø Link Aggregation Control Protocol (LACP)
- Ø WEB/CLI managed modes, SNMP, bring abundant management features





Hardware Specifications:

Model No.	BSD-4804P10	
Ports description	PoE port	1-48 port: 10/100/1000Mbps PoE Ports
	Uplink port	49-52 port: SFP+ (10G SFP) Slots
PoE power output	MAX Power Budget	450W
	PoE port priority	Support
Performance Specification	Backplane Bandwidth	176Gbps
	Packet forwarding rate	130.94Mpps
	MAC address	32k
	Jumbo Frame	12k Bytes
Processing types	Store and forward	
Physical Security Lock	Yes	
Power Supply	AC 100~240V, 50/60Hz	
LED indicators	PWR/PoE MAX, PoE , Link/Act	
Transmission mode	IEEE802.3x Full-duplex and Backpressure half-duplex	
Network standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab 1000 BASE-T IEEE802.3z 1000 BASE-T Fiber IEEE802.3x Flow Control IEEE802.1p LAN layer 2 QoS/CoS protocol for traffic priority (multicast filtering) IEEE802.1q VLAN IEEE802.1d STP Spanning tree IEEE802.1w RSTP Spanning tree IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet	
Dimensions	440mm(L) * 360mm(W) * 44mm(H)	
Cable Requirement	UTP cat 5 or above	
Environment Specification	Operating temperature: -10°C~45°C, Operating humidity: 10%~90%	
	Storage temperature: -20°C~70°C, Storage humidity: 5%~95%	



Software Specifications:

Quality of Service	Support 802.1p CoS/DSCP priority
	Support 4 priority queues
	Queue scheduling: SP, WRR, SP+WRR
	Port/Flow- based Rate Limiting
L2 Features	IGMP Snooping V1/V2/V3
	Spanning Tree: STP/RSTP/MSTP
	Port Isolation
	BPDU filtering/guard
	TC/Root protect
	Loop back detection
	802.3x Flow Control
L3 Features	802.3ad LACP
	Wire-speed IP Forwarding
	Static Routing
	RIP V1, V2
	DHCP Server/Relay
VLAN	APR Proxy
	Supports up to 4K VLANs simultaneously (out of 4K VLAN IDs)
	Port/ MAC/Protocol-based VLAN
Access Control List	Management VLAN configuration
	L2-L4 package filtering based on source and destination MAC, IP address, TCP/UDP ports, 802.1p, DSCP, protocol and VLAN ID
Security	Time Range Based
	IP-MAC-Port-VID Binding
	IEEE 802.1X Port/MAC Based authentication, Radius, Guest VLAN
	DoS Defense
	Dynamic ARP inspection (DAI)
	SSH v1/v2
	SSL v2/v3/TLSv1
	Port Security
Broadcast/Multicast/Unknown-unicast Storm Control	
	Web-based GUI and CLI management
	SNMP v1/v2c/v3, Compatible with public MIBs DHCP/BOOTP Client,

Management	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