



## BSD-PS2010G

BSD 8 Port Managed Gigabit PoE Switch + 2 Gigabit Slots  
+ 2 SFP Combo Slots with 150W Power



**Phone:** (905) 669-6613

**Web:** [www.bsdnetworks.com](http://www.bsdnetworks.com)

**Fax:** (905) 669-6614



## Overview:

The BSD-PS2010G, a L2 Managed PoE Switch, offers 8\*10/100/1000 BASE-T PoE Ports with 2 Gigabit Ethernet and 2 SFP Uplink Ports, embedded inside 150watt PoE Power budget, switch provides high-performance, powerful and abundant Layer 2 Switching functions like 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, L3, L4) enhance traffic management capabilities to move your data smoother and faster.

Along with the-easy-to use CLI web management interfaces, The BSD-PS2010G provides a reliable, secure solution for enterprise, campus and ISP networks requirement.

## High-lights:

- Ø 8 x 10/100/1000BASE-T PoE ports with 2GE + 2SFP Combo Uplink
- Ø 150W PoE Power Budget
- Ø Link Aggregation Control Protocol (LACP)
- Ø Layer 2 management and security capabilities
- Ø Default button for recovery factory setting
- Ø Automatic detect the stuck IP Cameras, and Reboot IPC (other PDs)
- Ø Support short-circuit protection and Over-current protection
- Ø Intelligent PoE Port Priority to protect switches in over-loading status
- Ø L2/L3/L4 QoS and IGMP snooping optimize voice and video application
- Ø WEB/CLI managed modes, SNMP, bring abundant management features



**Hardware Specifications:**

Model No.	BSD-PS2010G	
Ports description	PoE port	1-8 port: 10/100/1000Mbps PoE
	Uplink port	9-10 port: 2 Gigabit Rj45 or 2 SFP Slots Combo
PoE power output	PoE Power Budget	150W
	Max PoE Port output	30W
Performance specification	Backplane Bandwidth	20Gbps
	Packet forwarding rate	14.88Mpps
	MAC address	8k
	Jumbo Frame	9216 Bytes
Processing types	Store and forward	
Power Supply	AC 100~240V, 50/60Hz	
LED indicators	PWR/ Link/Act Power (power indicator), Link/Act (link/activity indicator)	
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	282mm(L) * 178mm(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
	802.3ad LACP
VLAN	Supports up to 4K VLANs simultaneously (out of 4K VLAN IDs)
	Port/ MAC/Protocol-based VLAN
	Management VLAN configuration
	L2-L4 package filtering based on source and destination MAC, IP



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Access Control List	address, TCP/UDP ports, 802.1p, DSCP, protocol and VLAN ID
	Time Range Based
Other Features	Automatic defect and Reboot the stuck IP Cameras (PDs)
	Default button for recovery factory setting
	PoE Port Priority to protect switches in over-loading status
	Step-link Power Management to state the power consumption
Security	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
Management	Web-based GUI and CLI management
	SNMP v1/v2c/v3, Compatible with public MIBs 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