BDCOM

Shanghai Baud Data Communication Co., Ltd.

Switch Series

BDCOM S2500-W Series Cloud Managed Switch

Overview

BDCOM S2500-W Series is a full-Gigabit Cloud Managed Switch launched by Shanghai Baud Data Communication Co., Ltd., based on a Taiwan chipset solution. It is equipped with 8 10/100/1000 Mbps auto-negotiation Ethernet ports and 2 Gigabit SFP uplink ports, with all ports supporting wire-speed forwarding. Featuring a highly integrated design, compact size, and simple operation, this product is well suited for small and medium-sized offices and home networks. It offers a simple, cost-effective, standards-compliant, and high-performance networking solution, making it an ideal choice for improving departmental and workgroup performance. The front panel of the switch is equipped with clear and intuitive LED indicators, allowing users to quickly identify the operating status of the switch and helping with network fault diagnosis. An integrated lightning-protection unit provides excellent surge protection, safeguarding the device against damage caused by lightning overvoltage and induced overvoltage. The PoE models support the IEEE 802.3at standard and are backward compatible with IEEE 802.3af, enabling the switch to function as a Power Sourcing Equipment (PSE). It can automatically detect and identify compliant Powered Devices (PDs) and supply power to them over Ethernet cables. With plug-and-play operation, no configuration is required, allowing for flexible expansion of home and office networks without being constrained by power-line layouts.

Appearance

S2500-8T2S-W

S2500-8P2S-W

Features

- Complies with IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, and IEEE 802.3az Ethernet standards;
- Supports IEEE 802.3af and IEEE 802.3at PoE standards;
- Maximum PoE output power per port: 30 W; maximum total PoE power budget: 70 W;

- 8 × 10/100/1000 Mbps auto-negotiation RJ45 ports, supporting Auto MDI/MDIX;
- Supports IEEE 802.3x full-duplex flow control and half-duplex backpressure flow control;
- 4K MAC address table with automatic learning and aging;
- Simple and intuitive LED indicators for port link status and data transmission;
- Built-in power supply with a compact and refined structural design;

Application Scenarios

- Multimedia transmission: Integrated transmission of video, voice, and data; suitable for distance learning, video conferencing, and video calling;
- Real-time monitoring: Simultaneous transmission of real-time control signals, video, and data;

Ease of Use

- Plug and play, no configuration required, easy and convenient to use;
- Front-panel LED indicators provide clear visibility of power status and port operating status;

Specifications

Item	**S2500-8T2S-W**	**S2500-8P2S-W**
Ports	8-port Gigabit RJ45 2-port Gigabit SFP	8-port Gigabit PoE 2-port Gigabit SFP
Switching capacity	20Gbps	
Forwarding rate	14.88Mpps	
MAC address	4K	
PoE Power Budget	/	110W
Cooling method	Fanless	
Dimensions (WxHxD)	280*180*44mm	
Power supply	AC: 100-240V 50/60Hz	
Environment requirement	Operating temperature: 0°C-45°C Storage temperature: -40°C -70°C Operating humidity: 90% RH, non-condensing Storage humidity: 90% RH, non-condensing	
Mac switching	Static configuration and dynamic MAC learning MAC browsing and removal	
VLAN	IEEE 802.1Q VLAN	

	Port-based VLAN configuration
Port Configuration	Configuration of port speed, description, duplex mode, and flow control Real-time port utilization statistics Port traffic byte counters mirroring Port static aggregation
Multicast	IGMP v1/v2
QoS	Port rate limiting Port / IEEE 802.1p / DSCP priority configuration Storm control
Reliability	Loopback-detection
PoE	Remote PoE power restart Extended PoE mode PoE watchdog
Security Features	Port isolation
Management & Maintenance	Device information modification User management Web-based browser management System logging Configuration import and export HTTP access

Order Information

S2500-W Series Cloud Managed Switch

S2500-8T2S-W	8-port Gigabit RJ45 + 2-port Gigabit SFP Cloud Managed Switch (standard AC 220V power supply; fanless, rack-mounted installation)
S2500-8P2S-W	8-port Gigabit PoE + 2-port Gigabit SFP Cloud Managed Switch (standard AC 220V power supply; fanless, 110W PoE power budget, rack-mounted installation)

For More Information

For more information about BDCOM S2500-W Series, please contact your local BDCOM account representative.

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