BDCOM

Shanghai Baud Data Communication Co., Ltd.

Switch Series

IES200-B25 Series

Rack-mounted Full Gigabit Managed Industrial Switch

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Product Overview

IES200-B25 series rack-mounted switch, based on next-generation high-performance hardware and BDROS software platform, supports rich ACL, QinQ, QoS, and static routing functions. It can support up to 4 Gigabit/Fast Ethernet SFP ports + 24 Gigabit RJ45 ports, or 4 Gigabit/Fast Ethernet SFP ports + 24 Gigabit PoE ports. Designed specifically for harsh industrial environments, it provides an economical solution for industrial Ethernet connectivity. It features a redundant dual power input design and is rack-mounted. It is housed in a rugged aluminum alloy enclosure, meets the IP40 protection rating, and has passed high-level EMI/EMC testing. All models undergo rigorous aging tests to meet the requirements of the security industry.





- IES200-B25-4S24T: 1-port CLI, 24-port Gigabit RJ45, 4-port Gigabit SFP
- IES200-B25-4S24P: 1-port CLI, 24-port Gigabit PoE, 4-port Gigabit SFP

Product Characteristics

- Full gigabit ports
- Maximum backplane bandwidth of 68Gbps
- Wide and diverse power supply range and types
- Made with rustproof aluminum alloy casing and hex socket screws
- Supports network management
- All ports support line-rate forwarding and auto MDI/MDIX, capable of long-distance transmission
- Supports one-click restore to factory settings and reboot
- Supports configuration file upload and download
- Supports IEEE 802.3af/at PoE power supply
- Supports 802.1af and 802.1at functions of each PoE port
- Surge protection rating: Power ±4KV, Ethernet port ±4KV

- IP40 protection rating
- Fanless design, operates quietly over a wide temperature range
- MTBF (Mean Time Between Failures) ≥ 300,000 hours

Product Specifications

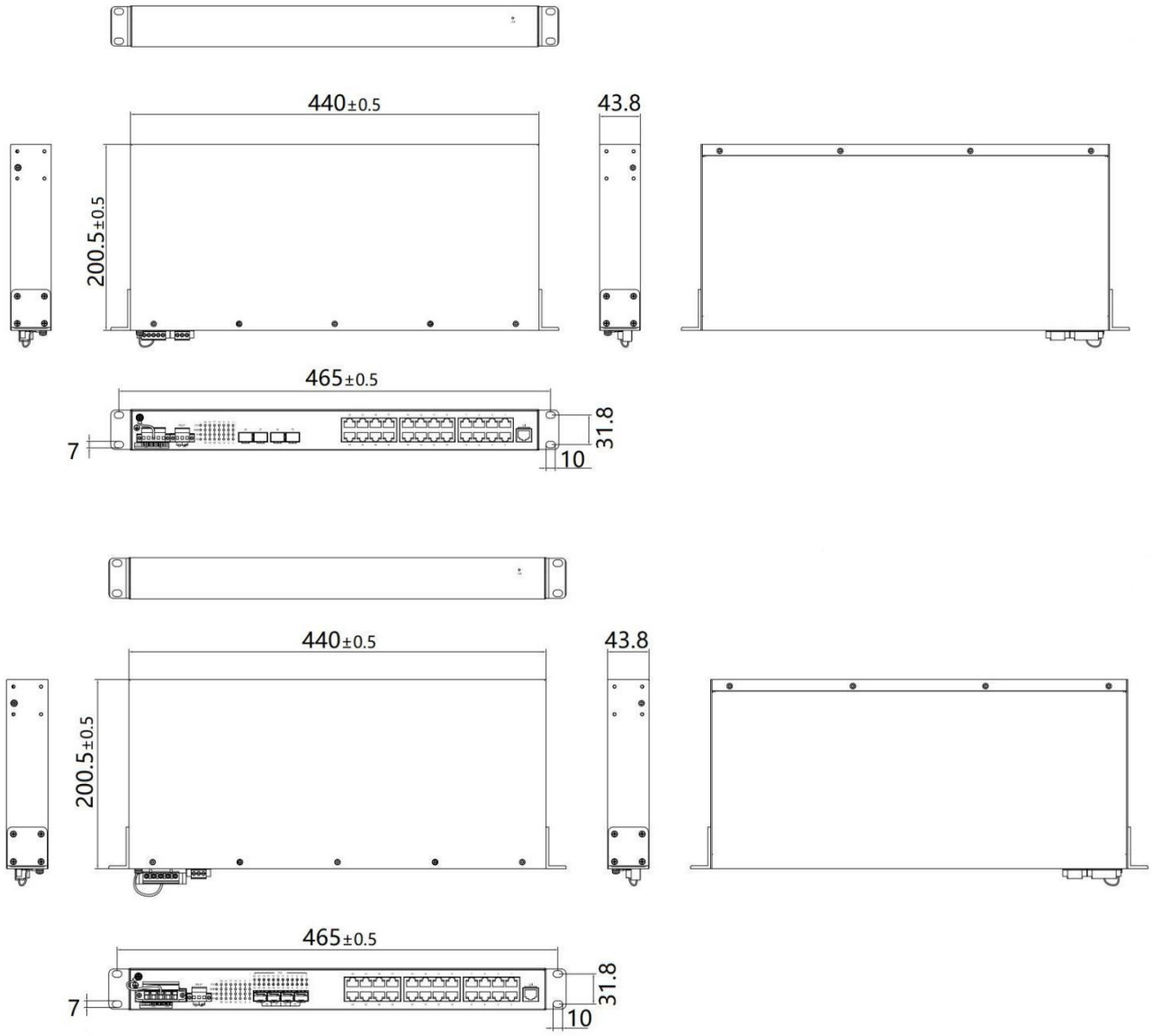
Item	**IES200-B25-4S24T**	**IES200-B25-4S24P**
Switching Capacity	68Gbps	
Forwarding Rate	148,800 pps/100M port; 1,488,000 pps/Gigabit port	
MAC Address Table	8K	
Packet Buffer Size	4.1Mbit	
Power input	100 ~ 240VAC/DC, dual input 48~54VDC, dual power input (PoE model)	
Operating temperature	-40~75°C	
Dimensions	440*43.8*200mm	
MAC Switching	Static configuration and dynamic learning of MAC address Check and clear MAC address Configuring of MAC address aging time Limit on MAC address learning number MAC address filtering function IEEE 802.1AE MacSec security control	
VLAN	4K VLAN entries GVRP QinQ Private VLAN voice vlan	
Ring protection	802.1D (STP), 802.1W (RSTP), 802.1S (MSTP) BPDU protection, root protection and ring protection EAPS ERPS	
Multicast	IGMP v1/v2/v3 IGMP Snooping	

	IGMP Fast Leave Multicast group policy and multicast number limit
IP routing	Static routing Rip\ospf\Ripng
IPv6	ICMPv6, DHCPv6, ACLv6, IPv6 Telnet IPv6 Neighbor Discovery Path MTU Discovery MLD v1/v2 MLD Snooping
DHCP	DHCP Relay DHCP Client DHCP Snooping DHCP SERVER
ACL	L2/L3/L4 ACL IPv4, IPv6 ACL VLAN ACL
QoS	Traffic classification of each field of L2/L3/L4 protocol headers CAR traffic control 802.1P/DSCP priority remark Multiple queuing algorithms such as SP, WRR or SP+WRR Tail-Drop, WRED Traffic supervision and traffic shaping
Security features	Identification and filtering of L2/L3/L4-based ACL protection against DDoS attacks, TCP SYN Flood attacks, and UDP Flood attacks Suppression of broadcast, multicast and unknown unicast packet Port isolation Port security, IP+MAC+port binding DHCP snooping Command line hierarchical protection
Reliability	Static/LACP UDLD Ethernet OAM

Management and maintenance	Console, Telnet, SSH 2.0 Browser-based WEB management SNMP v1/v2/v3 Upload and download files through TFTP RMON Event History Logging

Physical dimension

Unit: nm



Ordering Information

Item	Description
IES200-B25 Series	
IES200-B25-4S24T	4-port Gigabit SFP + 24-port Gigabit RJ45 Managed Rack-mounted Industrial Switch, operating temperature: -40~75°C, IP40 protection rating, with redundant dual-input isolated power supply (100 ~ 240V). Includes power cables and mounting brackets.
IES200-B25-4S24P	4-port Gigabit SFP + 24-port Gigabit RJ45 Managed Rack-mounted Industrial Switch, operating temperature: -40~75°C, IP40 protection rating, with 48~54VDC redundant dual-input isolated power supply. Includes power cables and mounting brackets.

Advanced Innovations

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