



# IES200-V25-P SERIES

## Full Gigabit Managed Industrial Switch



Wide-range working  
temperature 80,000  
hours MTBF



Advanced Hardware  
Architecture and  
Industry-leading Port  
Density



Varied Service  
Characteristics Versatile  
IPv6 Solution Complete  
Security Mechanism



IP40 protection 6KV  
lightning protection

## Product Overview

IES200-V25-P series, based on a new generation of high-performance hardware and BDROS platform of BDCOM's independent intellectual property rights, supports ACL, QinQ, QoS and static routing. IES200-V25 series with standard DIN-rail shell provides wide-voltage dual power input. IES200-V25-P series uses highly reliable industrial Ethernet ring network technology. The hardware-based algorithm can ensure that the self-healing time of each node is less than 5 milliseconds, and the self-healing time of the ring network is less than 50 milliseconds (typical value)

The PoE model conforms to the IEEE 802.3af/at standard, and supports 30W full-load power supply, centralized power supply management, and PoE terminal detection.

The reliable industrial design of IES200-V25-P series such as electromagnetic compatibility, anti-vibration and anti-shock capability, and IP40 protection, can be widely used in energy, transportation, industrial production, environmental protection, military industries.

## Product Characteristics

Lightning protection level: 6KV. IP40 protection, industrial fanless thermal conduction. DIN-rail aluminum alloy shell, which is compact and convenient.

Conforms to IEEE802.3af/at standard, maximum 30W PoE power of single port. Intelligent standard 48V PoE power supply, and self-negotiation power supply according to terminal type. Supports STP/EAPS/ERPS.

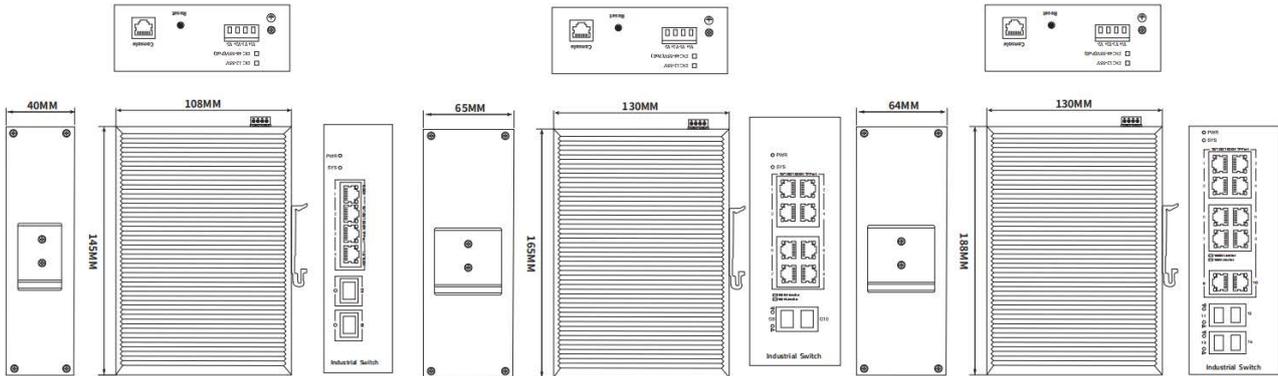
Supports node self-healing time less than 5 milliseconds, and ring network self-healing time less than 50 milliseconds (typical value). Supports forming a self-healing ring network between any two ports, and supports multiple independent self-healing rings.

Provides a data packet loss protection mechanism for quickly recovering from failures. Provides hierarchical bandwidth services through rate limiting and traffic shaping in the layer-2 QoS function.

Supports simple network management protocol (SNMP) and cloud-based operating platform (Pallas). The mean time between failures exceeds 800,000 hours.



# Panel Diagram



# Product Specifications

Item		IES200-V25-2S4P	IES200-V25-2S8P	IES200-V25-4S2T8P
Gigabit Interface	RJ45	4 PoE+	8 PoE+	8 PoE+ 2 Non-PoE
	SFP	2	2	4
Console (RJ45)		1	1	1
Backplane (Gbps)		56	56	56
Forwarding rate (Mpps)		9	15	21
Chassis	Dimensions (WxDxH)(mm)	145x108x40	165x130x65	188x130x64
	Weight (KG)(empty)	0.8	1.1	1.3
Package	Dimensions (WxDxH)(mm)	175*130*55	242*207*86	242*207*86
	Weight(KG)	1.3	1.6	1.8
Power consumption	no-load	<12W	<12W	<15W
	full-load(with PoE)	140W	260W	260W
Power supply		Dual DC 48~ 55V	Dual DC 48~ 55V	Dual DC 48~ 55V
PoE power budget		120W	240W	240W
Total output BTU (1000BTU/H=293W)		477.82	887.37	887.37
MTBF(H)		>800,000	>800,000	>800,000
Forwarding mode		Store-forward	Store-forward	Store-forward
Flash (MB)		16	16	16
DRAM (MB)		128	128	128
MAC		8K	8K	8K
Buffer size(Mb)		4	4	4
Jumbo frame		9K	9K	9K
Total SVI		10	10	10

# Features

## VLAN

- 4K VLAN entries
- GVRP
- QinQ
- Private VLAN

## Ring protection

- 802.1D (STP), 802.1W (RSTP), 802.1S (MSTP)
- BPDU protection, root protection and ring protection
- EAPS
- ERPS

## Multicast

- MVR
- IGMP Snooping
- IGMP Fast Leave
- Multicast group policy and multicast number limit

## IP routing

- Default Gateway

## DHCP

- DHCP Client
- DHCP Snooping

## QoS

- CAR traffic control
- 802.1P/DSCP priority remark
- Multiple queuing algorithms such as SP, WRR or SP+WRR
- IP ACL/ANY/VLAN/COS/
- DSCP/IP Preference based QoS
- Traffic supervision and traffic shaping
- Drop, Redirect

## Security features

- Identification and filtering of L2/L3/L4-based ACL
- Suppression of broadcast, multicast and unknown unicast packet
- Port isolation
- Port security, IP+MAC+port binding
- DHCP sooping, DHCP option82
- IEEE 802.1x authentication
- Radius and TACACS+ authentication
- Command line hierarchical protection

## Reliability

- Static/LACP
- Ethernet OAM
- ISSU
- Backuplink

## Management and maintenance

- Console, Telnet, SSH 2.0
- Zero Touch Provisioning (ZTP)
- HTTP/HTTPS
- SNMP v1/v2/v3
- Upload and download files through TFTP/FTP
- Remote Network Monitoring (RMON)

## IPv6

- ICMPv6, DHCPv6, ACLv6, IPv6 Telnet
- IPv6 Neighbor Discovery
- Path MTU Discovery
- MLD Snooping

## ACL

- L2/L3/L4 ACL
- IPv4, IPv6 ACL
- VLAN ACL

# Ordering Information

Item	Description
<b>IES200-V25-P Series</b>	
IES200-V25-2S4P	4-Port Gigabit PoE+ 2-Port Gigabit SFP L2+ Managed PoE Industrial Switch (DC 48~55V redundant dual power input, 120W POE budget, operating temperature: -40~75°C; IP40; DIN-rail installation)
IES200-V25-2S8P	8-Port Gigabit PoE+ 2-Port Gigabit SFP L2+ Managed PoE Industrial Switch (DC 48~55V redundant dual power input, 240W POE budget, operating temperature: -40~75°C; IP40; DIN-rail installation)
IES200-V25-4S2T8P	8-Port Gigabit PoE+ 2-Port Gigabit RJ45 + 4-Port Gigabit SFP L2+ Managed PoE Industrial Switch (DC 48~55V redundant dual power input, 240W POE budget, operating temperature: -40~75°C; IP40; DIN-rail installation)

Copyright © Shanghai Baud Data Communication Co., LTD.2023. All Rights Reserved.

This document is BDCOM Public Information. BDCOM reserves the right to alter, update and otherwise change the information contained in the document from time to time.

