BDCOM

IES200-V25 SERIES

Full Gigabit Managed Industrial Switch

IP40 protection 6KV lightning protection

Varied Service Characteristics Versatile IPv6 Solution Complete Security Mechanism

Advanced Hardware Architecture and Industry-leading Port Density

Wide-range working temperature 800,000 hours MTBF

Product Overview

IES200-V25 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 DNI-rail shell provides wide-voltage dual power input. IES200-V25 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 reliable industrial design of IES200-V25 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.

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.

Model Lists

IES200-V25-2S4T
- 4-Port Gigabit RJ45
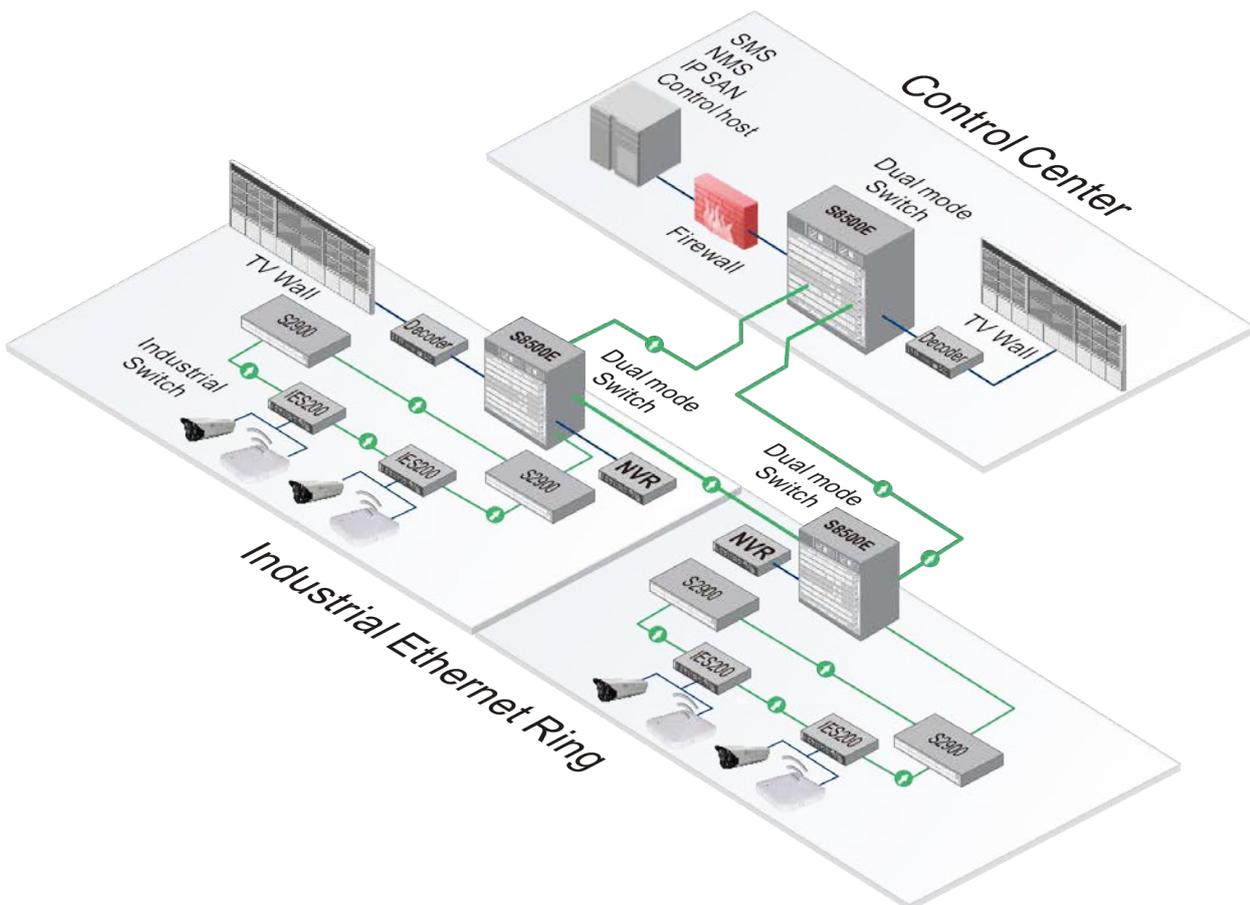- 2-Port Gigabit SFP

IES200-V25-2S8T
- 8-Port Gigabit RJ45
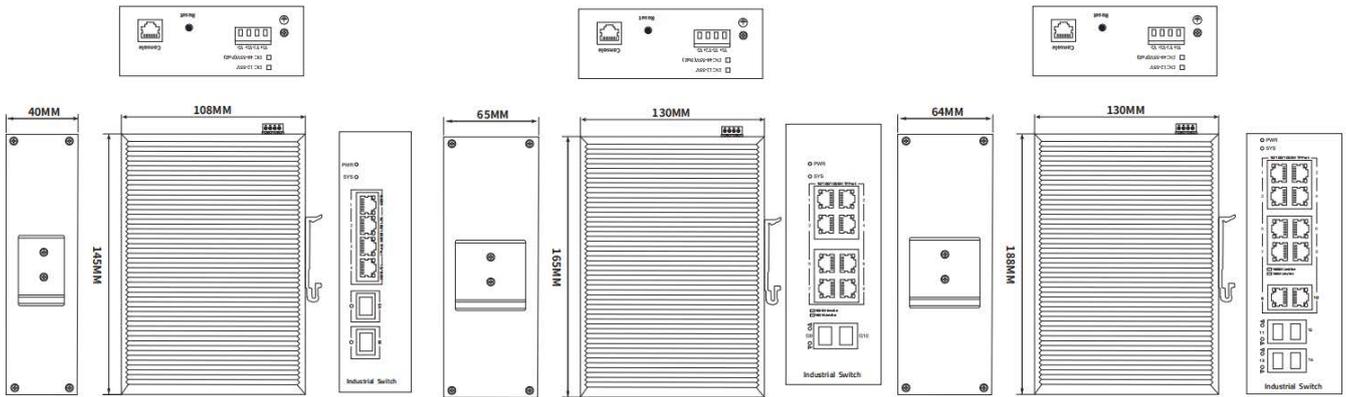- 2-Port Gigabit SFP

IES200-V25-4S10T
- 10-Port Gigabit RJ45
- 4-Port Gigabit SFP

Application Diagram

Panel Diagram

Product Specifications

Item		IES200-V25-2S4T	IES200-V25-2S8T	IES200-V25-4S10T
Gigabit Interface	RJ45	4	8	10
	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)	0.78	1.04	1.24
Package	Dimensions (WxDxH)(mm)	175*130*55	242*207*86	242*207*86
	Weight(KG)	1.3	1.5	1.8
Power consumption	no-load	<12W	<12W	<12W
	full-load	18W	18W	20W
Power supply		Dual DC 12~ 55V	Dual DC 12~ 55V	Dual DC 12~ 55V
Total output BTU (1000BTU/H=293W)		61.43	61.43	68.26
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
IES200-V25 Series	
IES200-V25-2S4T	4-Port Gigabit RJ45 + 2-Port Gigabit SFP L2+ Managed Industrial Switch (DC 12~55V redundant dual power input; operating temperature: -40~85°C; lightning protection level of 6KV; IP40; DIN-rail installation)
IES200-V25-2S8T	8-Port Gigabit RJ45 + 2-Port Gigabit SFP L2+ Managed Industrial Switch (DC 12~55V redundant dual power input; operating temperature: -40~85°C; lightning protection level of 6KV; IP40; DIN-rail installation)
IES200-V25-4S10T	10-Port Gigabit RJ45 + 4-Port Gigabit SFP L2+ Managed Industrial Switch (DC 12~55V redundant dual power input; operating temperature: -40~85°C; lightning protection level of 6KV; IP40; DIN-rail installation)

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