

IES200-L25 SERIES

Full Gigabit Managed L3-lite Industrial Switch



Wide-range working
temperature 800,000 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-L25 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-L25 series with standard DIN-rail shell provides wide-voltage dual power input. IES200-L25 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-L25 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

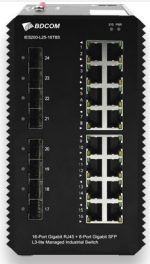
Lightning protection level: 6KV.IP40 protection, industrial fanless thermal conduction.DIN-rail aluminum alloy shell, which is compact and convenient.

Supports node self-healing time less than 5 milliseconds, and ring network self-healing time less than 50 milliseconds (typical value).Supports forming a selfhealing 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-L25-16T8S

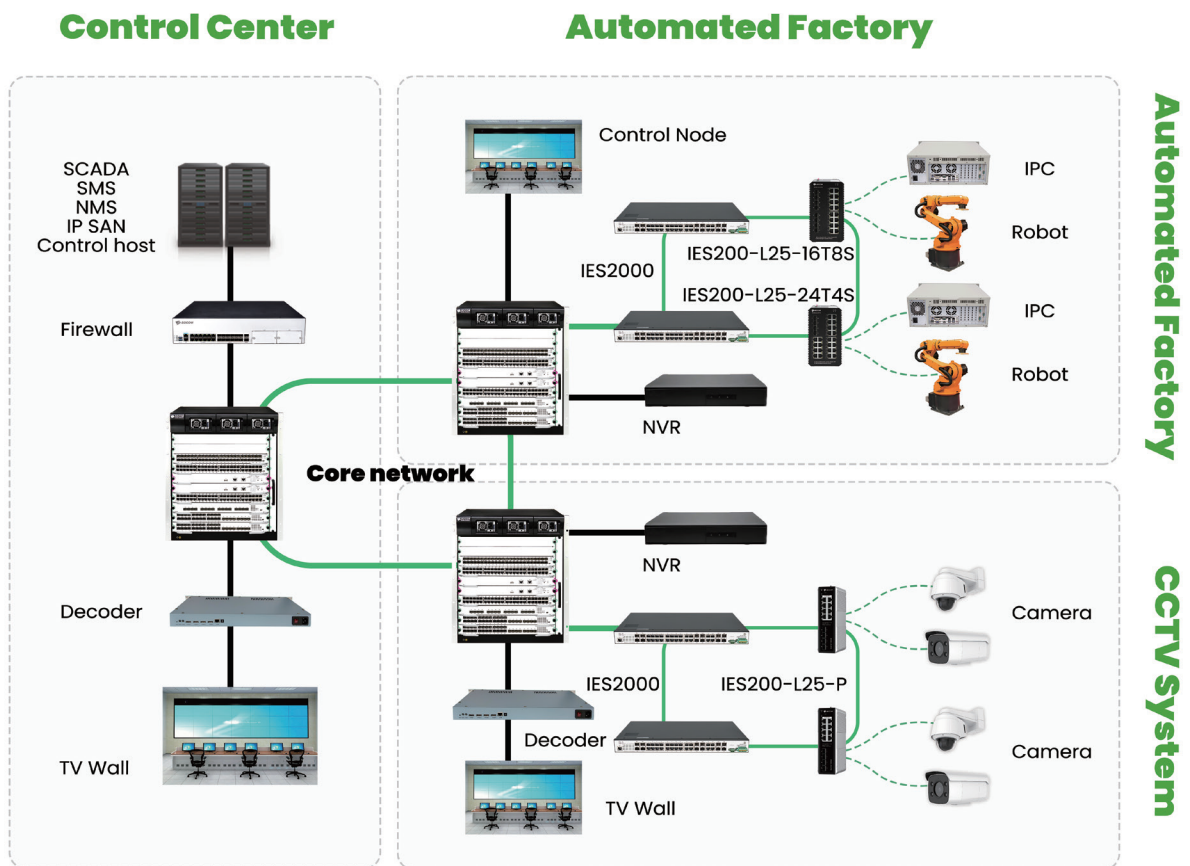
- 16-Port Gigabit RJ45
- 8-Port Gigabit SFP



IES200-L25-24T4S

- 24-Port Gigabit RJ45
- 4-Port Gigabit SFP

Application Diagram



Product Specifications

Item		IES200-L25-16T8S	IES200-L25-24T4S
Gigabit Interface	RJ45	16	24
	SFP	8	4
Console		1	1
Backplane (Gbps)		56	56
Forwarding rate (Mpps)		36	42
Chassis	Dimensions (WxDxH)(mm)	170x136x95	170x136x95
	Weight (KG)(empty)	1.41	1.42
Package	Dimensions (WxDxH)(mm)	228*178*120	228*178*120
	Weight(KG)	1.71	1.72
Power consumption	no-load	<12W	< 12W
	full-load(with POE)	22W	14W
Power supply		Dual DC 12~55V (Pheonix) 1 Relay-alarm	Dual DC 12~55V (Pheonix) 1 Relay-alarm
Total output BTU (1000BTU/H=293W)		75.09	47.78
MTBF(H)		>800,000	>800,000
Forwarding mode		Store-forward	Store-forward
Flash (MB)		16	16
DRAM (MB)		128	128
MAC		8K	8K
Buffer size(MB)		0.5	0.5
Jumbo frame		9K	9K
Total SVI		10	10

Features

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
- G.8032 ERPS

Multicast

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

IP routing

- Static route
- RIP, OSPF
- 128 routing table

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

- 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+
- Command line hierarchical protection

DHCP

- DHCP Server/Client/Relay
- DHCP Snooping

Reliability

- Static/LACP LAG
- 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)
- Syslog
- SPAN, RSPAN

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-L25 Series	
IES200-L25-16T8S	16-Port Gigabit RJ45 + 8-Port Gigabit SFP L3-lite Managed Industrial Switch (dual 12-55VDC pheonix power input, 1 Relay-alarm; operating temperature: -40-85° C; lightning protection level of 6KV; IP40; DIN-rail installation)
IES200-L25-24T4S	24-Port Gigabit RJ45 + 4-Port Gigabit SFP L3-lite Managed Industrial Switch (dual 12-55VDC pheonix power input, 1 Relay-alarm; operating temperature: -40-85° C; lightning protection level of 6KV; IP40; DIN-rail installation)

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