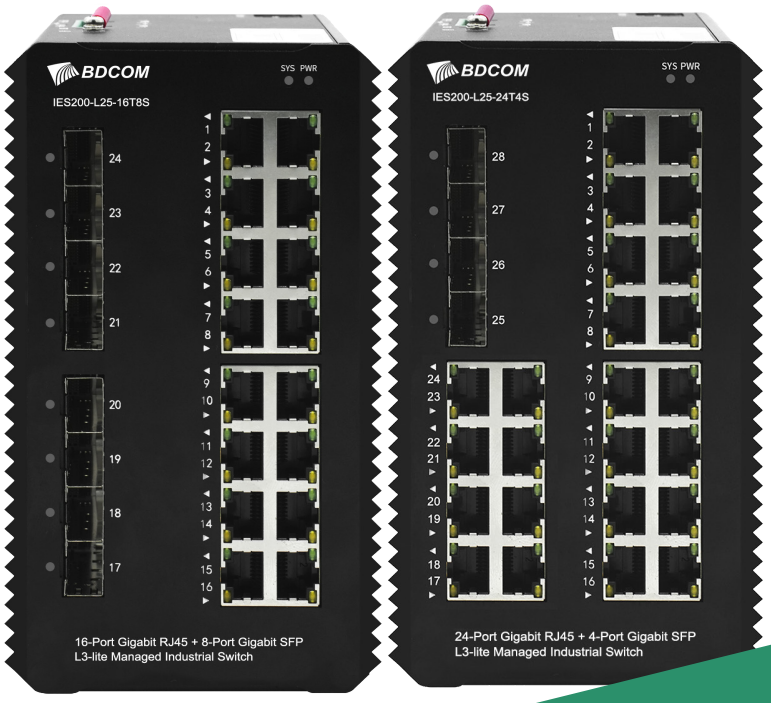
IES200-L25 SERIES

Full Gigabit Managed L3-lite 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-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 DNI-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

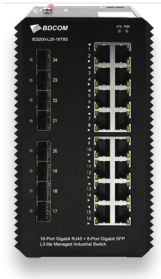
Lightning protection level: 6KV.IP40 protection, industrial fanless thermal conduction.DIN-rail aluminum alloy shell, which is compact and convenient.

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.

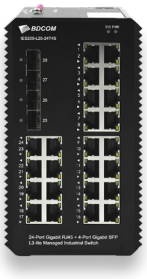
Supports simple network management protocol (SNMP) and cloud-based operating platform (Pallas). The mean time between failures exceeds 800,000 hours.

Model Lists



IES200-L25-16T8S

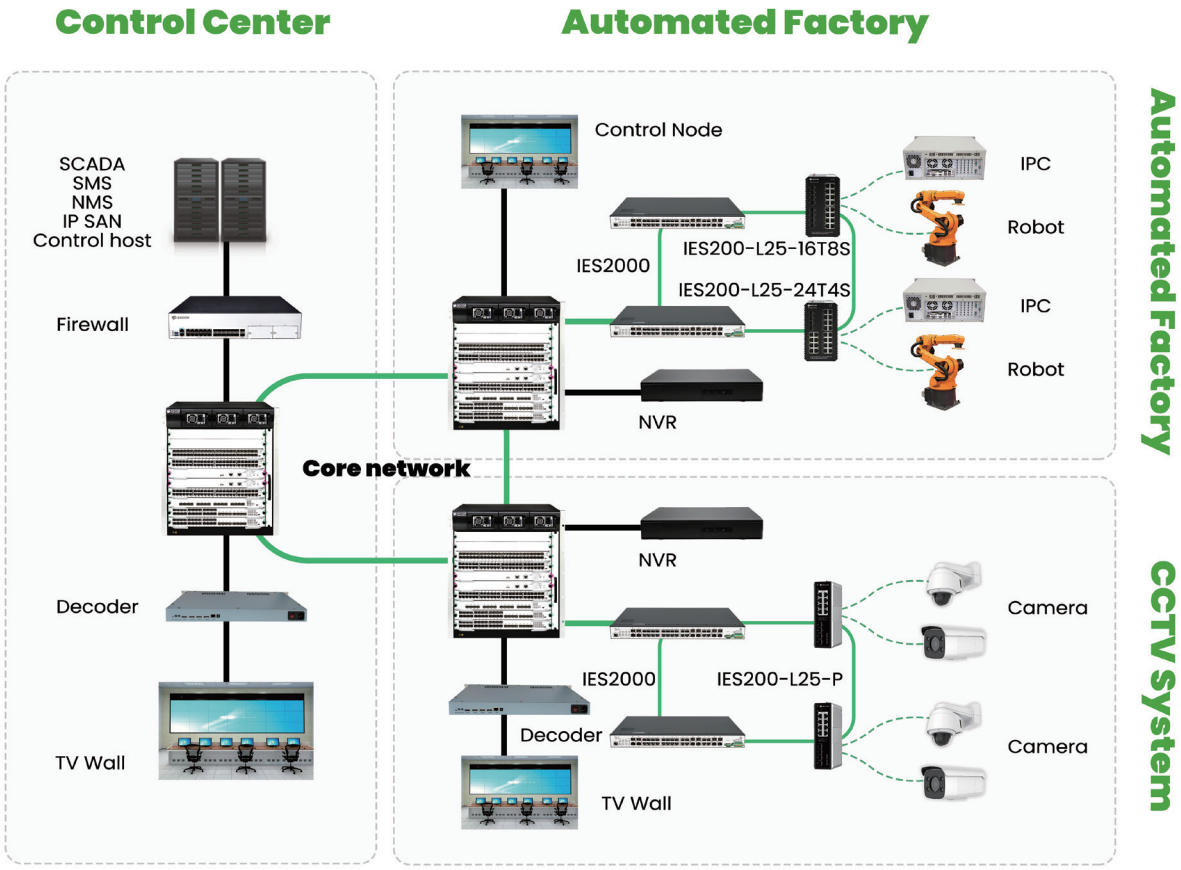
· 16-Port Gigabit RJ45
· 8-Port Gigabit SFP



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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