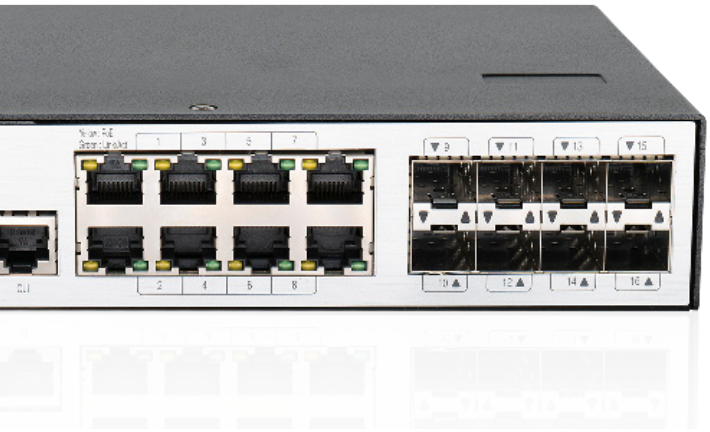


IES2000-P CARRIER-ETHERNET SERIES

L2+ Managed Industrial PoE+ 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

BDCOM IES2000-P series, based on the bran-new high-performance hardware and BDROS software system of BDCOM's independent intellectual property rights, supports rich Layer-2/Layer-3 routing and industrial ring network protocols. IES2000-P series adopts die-casting aluminum shell and standard 19-inch rack-mounted installation, and provides redundant wide-voltage industrial power supplies. With the reliable industrial Ethernet ring technology, its hardware-based algorithm can ensure node self-healing time less than 5 milliseconds, and the ring network self-healing time less than 50 milliseconds (typical value).

BDCOM IES2000-P series, with fanless design, low power consumption, wide temperature and wide voltage in compliance with strict industry standards, can adapt to harsh environment requirements for EMC, anti-vibration and shock-proof capabilities, IP40 protection level. IES2000-P series can be widely used in energy, transportation, industrial production, environmental protection, military industry.

Product Characteristics

Lightning protection level: 6KV.IP40 protection, industrial fanless thermal conduction.
Supports dual 220V wide-voltage industrial power input (DC model is optional).Business ports, management ports, power input terminals, and relay alarm output are located on the front panel, complying with industrial operation specifications.

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 layer-3 static routing, dynamic routing (RIP, OSPF), Virtual Router Redundancy Protocol (VRRP). Supports virtual stacking.

Supports to form a self-healing ring between any two ports, and supports multiple independent self-healing rings.Provides Data Leakage Prevention (DLP), to quickly recover from network failures.

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

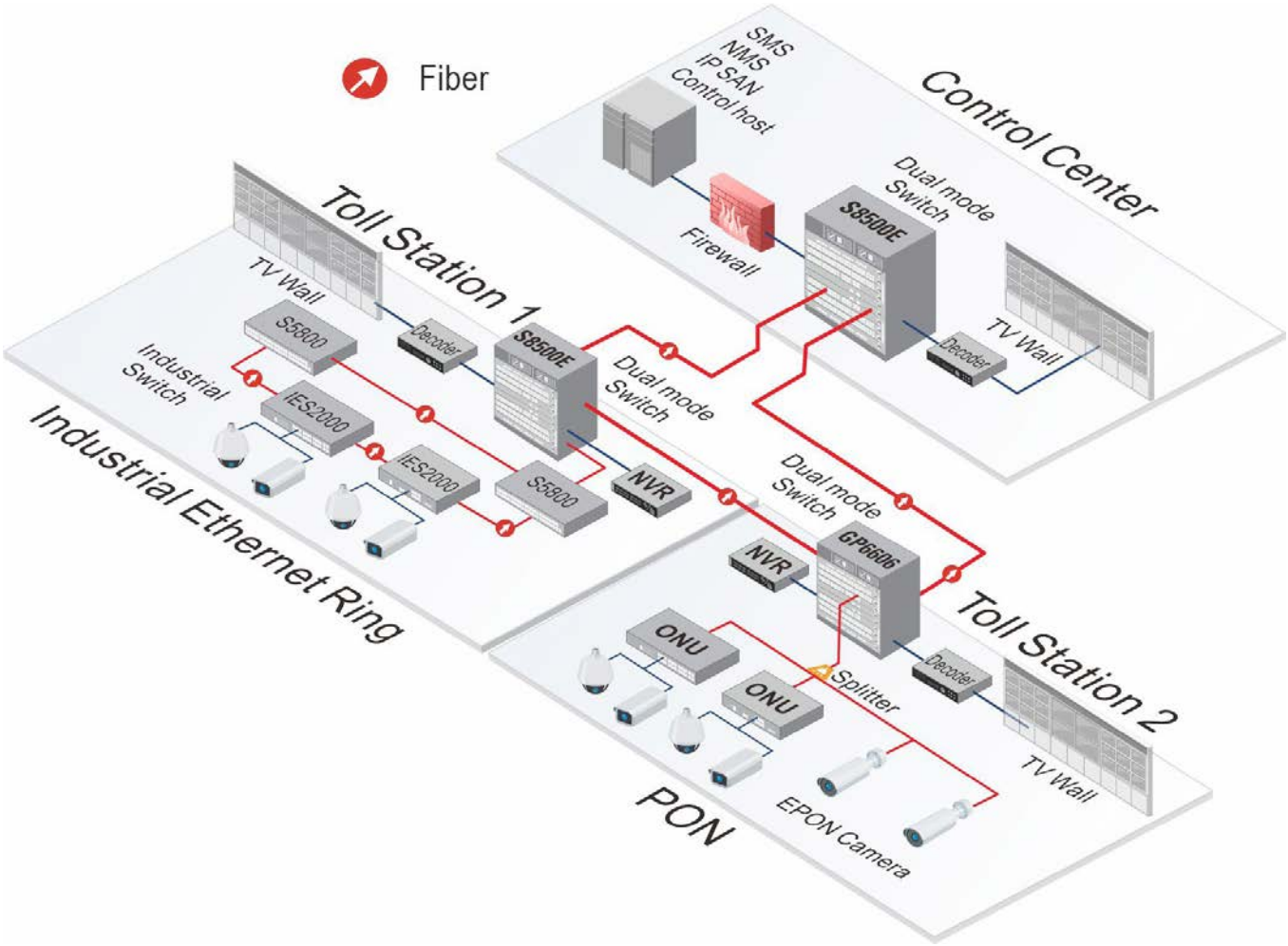
Model Lists



IES2000-TW8S8P

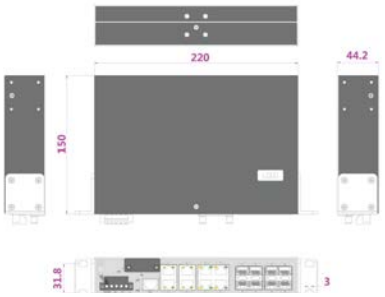
- 8-Port Gigabit PoE+
- 8-Port Gigabit SFP

Application Diagram



Panel Diagram

IES2000-TW8S8P



Product Specifications

Item		IES2000-TW8S8P
Gigabit Interface	RJ45	8
	SFP	8
Console (RJ45)		1
Backplane (Gbps)		52
Forwarding rate (Mpps with 64 bytes)		24
Chassis	Dimensions (WxDxH)(mm)	220x150x44
	Weight (KG)(empty)	1.2
Package	Dimensions (WxDxH)(mm)	350x268x94
	Weight(KG)	1.5
Power consumption	no-load	15W
	full-load	31W(without PoE)
Power supply		Dual DC 48~57V
Total output BTU (1000BTU/H=293W)		924.91(with PoE)
MTBF(H)		>800,000
Forwarding mode		Store-forward
Flash (MB)		16
DRAM (MB)		128
MAC		8K
Buffer size(Mb)		4
Jumbo frame		9K
Total SVI		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
IES2000-P Series	
IES2000-TW8S8P	8-Port Gigabit PoE+ 8-Port Gigbat SFP L2+ Managed PoE Industrial Switch (DC 12~55V redundant dual input, PoE buget 240W, working temperature: -40~75°C; IP40; DIN-rail or half-rack installation)

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