



BDCOM IES2000 Series Layer-3 Rack-mounted Industrial Switch

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Product Overview

BDCOM IES2000 series, based on the brand-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 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 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 series can be widely used in energy, transportation, industrial production, environmental protection, military industry.



IES2000-5024T4S



IES2000-5024T8C4X



IES2000-5024S8C4X

IES2000-5024T4S: 24 Gigabit TX ports + 4 Gigabit SFP ports

IES2000-5024T8C4X: 16 Gigabit TX ports + 8 TX/SFP combo ports + 4 GE/10GE SFP+ ports

IES2000-5024S8C4X: 16 Gigabit SFP ports + 8 TX/SFP combo ports + 4 GE/10GE SFP+ ports

- Lightning protection level: 6KV
- IP40 protection, industrial fanless thermal conduction.
- Supports dual 220V wide-voltage industrial power input (DC model is optional).
- Supports relay alarm, Phoenix terminal output.

- 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 (COP).
- The mean time between failures (MTBF): more than 800,000 hours.

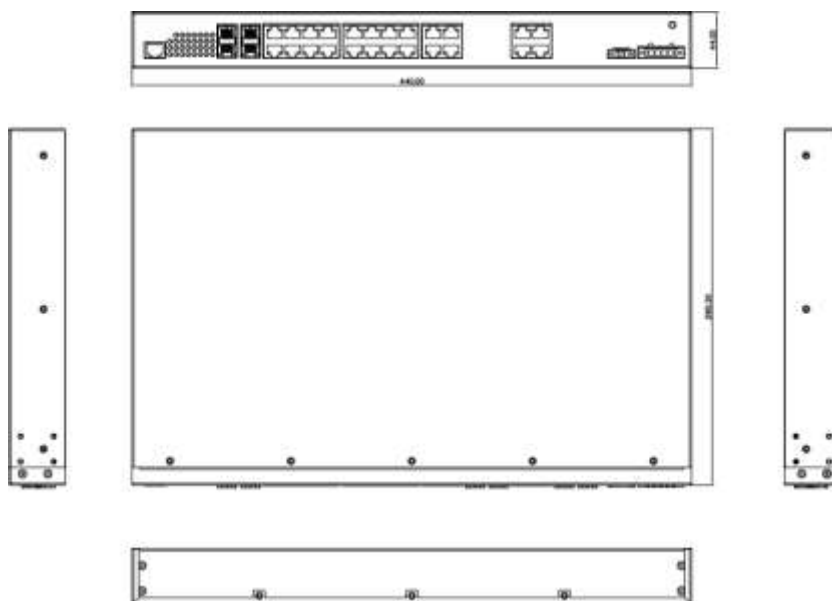
Item	IES2000-5024T4S	IES2000-5024T8C4X	IES2000-5024S8C4X
Power input	Dual AC 90~260V		
Operating temperature	-40~85°C		
Switching capacity	336Gbps		
Forwarding rate	51Mpps	108Mpps	108Mpps
MAC Switching	Static configuration and dynamically learning of MAC address Check and clear MAC address Configuring of MAC address aging time Limit on MAC address learning number MAC address filtering function IEEE 802.1AE MacSec		
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 ERPS
Multicast	IGMP v1/v2/v3 IGMP Snooping IGMP Fast Leave Multicast group policy and multicast number limit
Virtualization	Support BDCOM Virtual Stacking System (BVSS), up to 16 stacking units
IP routing	Static routing, dynamic routing (RIP, OSPF), Virtual Router Redundancy Protocol (VRRP)
IPv6	ICMPv6, DHCPv6, ACLv6, IPv6 Telnet IPv6 Neighbor Discovery Path MTU Discovery MLD v1/v2 MLD Snooping
DHCP	DHCP Server DHCP Relay DHCP Client DHCP Snooping
ACL	L2/L3/L4 ACL IPv4, IPv6 ACL VLAN ACL
QoS	Traffic classification of each field of L2/L3/L4 protocol headers CAR traffic control 802.1P/DSCP priority remark Multiple queuing algorithms such as SP, WRR or SP+WRR Tail-Drop, WRED Traffic supervision and traffic shaping
Security features	Identification and filtering of L2/L3/L4-based ACL Defend against DOS or TCP attacks Suppression of broadcast, multicast and unknown unicast packet

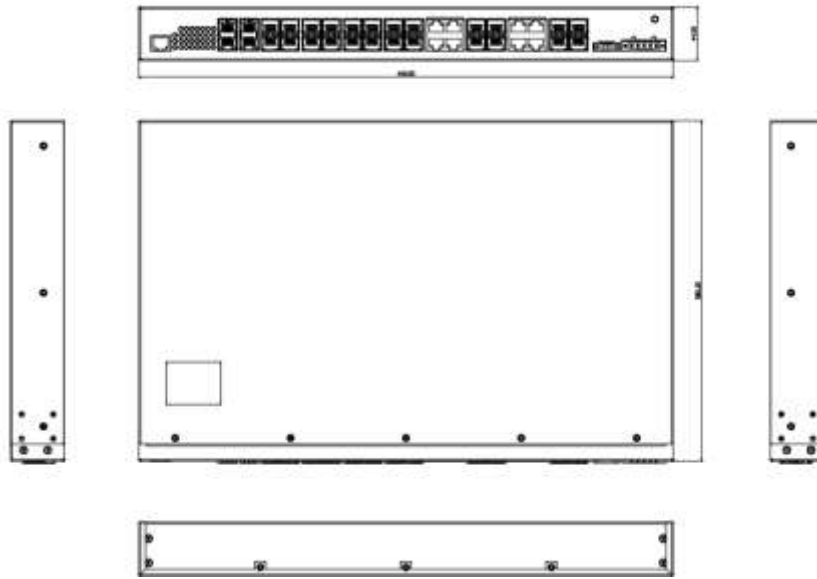
	Port isolation Port security, IP+MAC+port binding DHCP snooping, DHCP option82 IEEE 802.1x authentication Radius and BDTacacs+ authentication Command line authority control based on user levels
Reliability	Static/LACP UDLD Ethernet OAM ISSU
Management and maintenance	Console, Telnet, SSH 2.0 Zero Touch Provisioning (ZTP) Browser-based WEB management SNMP v1/v2/v3 Upload and download of TFTP files Remote Network Monitoring (RMON)

IES2000 Series Structure Diagram

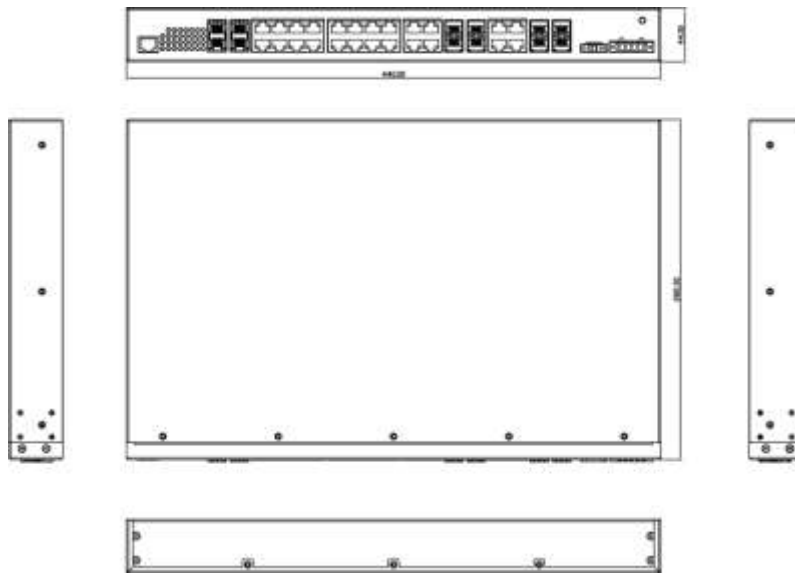
IES2000-5024T4S



IES2000-5024T8C4X



IES2000-5024S8C4X



Item	Description
IES2000 Series Layer-3 Rack-mounted Industrial Switch	
IES2000-5024T4S	Managed L3-Lite industrial switch with 24 Gigabit TX ports and 4 Gigabit SFP ports, 1 CLI port, supports industrial ring protection protocol, operating temperature: -40~85 ° C; dual industrial AC power input (90~260V), 19" rack –mount.
IES2000-5024T8C4X	Managed L3-Lite industrial switch with 16 Gigabit TX port, 8 Gigabit TX/SFP combo ports and 4 10GE SFP+ ports, 1 CLI port, supports industrial ring protection protocol, operating temperature: -40~85 ° C; dual industrial AC power input (90~260V), 19" rack –mount.
IES2000-5024S8C4X	Managed L3-Lite industrial switch with 24 Gigabit SFP port, 8 Gigabit TX combo ports and 4 10GE SFP+ ports, 1 CLI port, supports industrial ring protection protocol, operating temperature: -40~85 ° C; dual industrial AC power input (90~260V), 19" rack –mount.

For More Information

For more information about [BDCOM IES2000 Series](#) please contact your local BDCOM account representative.

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