

Item	Industrial Managed 10G Switch
Model No.	IMS4328-16S
Description	L2+ managed, 16*1G/SFP + 8*1G/Combo + 4*10G/1G SFP
	

Overview

IMS4328 series is 28-port Industrial managed L2+ switch adopt store-forward architecture, fan-less and energy-saving design, with redundant, isolated power supplies AC85-265VAC or single AC/DC power optional and can be mounted in 19-inch rack, support ERPs ring network, to build high availability, safe and reliable Industrial access/ring/convergence network. It can be widely used in smart city, smart transportation and smart pipe gallery, Intelligent industry and other industrial scenarios with Ethernet access.

IMS4328-16T provide 16*1G/SFP + 8*1G/Combo + 4*10G/1G SFP

Features

- STP, RSTP, MSTP, ITU-T G.8032 Ring Protection Switching (ERPS)
- Support QoS/802.1x authentication/Static routing
- Non blocking high speed forwarding.
- It provides 4*10G/1G SFP+ interfaces to form a ring network
- Web/CLI/Telnet/SNMP Management
- 4KV surge protection for UTP
- Supports 8~15KV ESD protection
- Redundant AC or single AC/DC optional
- IP40 protection
- -40°C~85°C operating temperature
- 1U 19" Rack-mounted

Technical Specifications

Standards	IEEE802.3 10BASE-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X IEEE802.3ae IEEE802.3x IEEE802.1Q VLAN; IEEE802.1w RSTP IEEE802.1s MSTP IEEE802.1d STP ITU-T G.8032 IEEE802.3ad
Switching Capacity	128Gbps/non-blocking
Packet forwarding rate	95.2Mpps
MAC Address Table	16K
Packet Buffer Space	12M
Combo	8*Gigabit RJ45/SFP Slot
Fiber	16*1000Base-X, SFP 4*10GBase-X, SFP+
Console	RS232 (RJ45)
Key Switch	Reset
Power	Redundant power inputs AC: 85V-260V;DC: 100V-380V Power consumption: ≤36W Connector: Terminal Block
LED Indicators	PWR, RUN, Link/Act, Speed, Fiber Link
Operating Temperature	-40 °C ~ +85 °C
Relative Humidity	5-95% (no condensation)
Housing	IP40 Protection, Aluminum Alloy, fan-less
Mounting	1U 19" Rack Mounted
Dimensions	440x270x43.6mm
Weight	4.5KG
Regulations	CE/FCC/ROSH

Software Feature

L2 Features	Port Features	IEEE 802.3x flow control
		Interface counters
		Storm control
	Link Aggregation	Static aggregation
		Dynamic aggregation, LACP
	Mirror	Port-based mirror
	Spanning Tree	IEEE802.1d STP
		IEEE802.1w RSTP
		IEEE802.1s MSTP
	VLAN	Port-based VLAN
	Mac-address table	Static mac-address
		Dynamic mac-address
		Filtering mac-address
	QINQ	Port-based QinQ
		VLAN-based QinQ
		Flow-based QinQ
		1:1 VLAN Mapping
	ERPS (G.8032)	Single ring
		Sub-Ring
		Multi-ring
Load balance		
Layer 2 Multicast	IGMP V1 Snooping	
	IGMP V2 Snooping	
	IGMP V3 Snooping	
	Source Port Check	
	IGMP Fast Leave	
L3 Features	ARP	Static ARP
		Dynamic ARP
	IPV4	Static route
Security Features	ACL	IP Standard ACL
		MAC extend ACL
		IP extend ACL
	QoS	QoS Class, Remarking
		SP, WRR queue scheduling
		Ingress Port-based Rate-limit
		Ingress Priority-based Rate-limit

		Egress Port-based Rate-limit
		Egress Queue-based Rate-limit
		Policy-based QoS
	Dot1x	Port Access Control
		User Access Control
		Mac-address Access Control
		RADIUS Server
Management	User management	Password protection
	SNMP	SNMP V1/V2C/V3
	Web management	Web management
		HTTP V1.1
		HTTPS
	Firmware Upgrade	Firmware Upgrade
	Syslog/Debug	Support
	IPV4/IPV6	Support
	Diagnosis	ping(ipv4)
		ping(ipv6)
Trace route(ipv4)		
Trace route(ipv6)		
Application	NTP	NTP Client
	DHCP Snooping	Trust Port
	Telnet	Telnet Server
		Telnet Client
	TFTP	TFTP Client

Standards and Certifications

EMC	CE
EMI	FCC Part 15 CLASS A
EMS	EN 61000-3-2: 2014
	EN 61000-3-3: 2013
	EN 61000-4-2: 2009
	EN 61000-4-3: 2006+A2: 2010
	EN 61000-4-4: 2012
	EN 61000-4-5: 2014
	EN 61000-4-6: 2014
	EN 61000-4-11: 2004
LVD/Safety	IEC60950-1-A1-E
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32 0.5m
Vibration	IEC 60068-2-6
Railway Traffic	EN50121-4

Order Information

Model No.	Description
IMS4328-16S-2A	16*1G/SFP + 8*1G/Combo + 4*10G/SFP+, Redundant 100-240VAC input
IMS4328-16S-1A	16*1G/SFP + 8*1G/Combo + 4*10G/SFP+, Single 100-240VAC input
IMS4328-16S-1D	16*1G/SFP + 8*1G/Combo + 4*10G/SFP+, Single DC36-72V input