

IS2100 Din-Rail Series Industrial Ethernet Switch



IS2100D Full GE Series



IS2100D-2GF8TX

Product Overview

IS2100D series L2+ managed switch, provides a reliable infrastructure for your business network. It delivers more intelligent features you need to improve the availability of your critical business applications, protects your sensitive information, and optimizes your network bandwidth to deliver information and applications more effectively. It provides the ideal combination of affordability and capabilities for entry level networking of industrial, small business or enterprise application which demands industrial, surveillance, IP Phone, IP Camera or Wireless applications, thus helps you create a more efficient workforce

In short, it provides security, performance, quality of services, central managed and other network

control capabilities. Optimized and customized design and affordable pricing, it best fit for SMB or entry-level enterprise solution. It passed the rigorously testing to deliver excellent performance. As a managed switching solution, it also provides the flexibility to manage and prioritizes suitable-bandwidth traffic such as voice. In addition, it has advance security and gives you tight control to safeguard the network from unauthorized users.

Main Features

- ◆ Adaptive DC power input, an optional redundant power supplies
- ◆ Aluminum alloy structure shell against high strength vibration impact, industrial cooling, no fan
- ◆ LED indicator light displays port activity, easy to find a network issue
- ◆ Industry standard Din-Rail installation, convenient and efficient
- ◆ Rich network management function to provide effective management and maintenance

Specifications

Attributes	IS2100D
Technology	
Standards	IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3ab for 1000BaseT(X) IEEE 802.3z for 1000BaseX IEEE 802.3x for Flow Control IEEE 802.1D-2004 for Spanning Tree Protocol IEEE 802.1w for Rapid STP IEEE 802.1s for Multiple Spanning Tree Protocol IEEE 802.1Q for VLAN Tagging IEEE 802.1p for Class of Service IEEE 802.1X for Authentication IEEE 802.3ad for Port Trunk with LACP
Performance	
Forwarding Rate	10Mbps:14880pps 100Mbps:148800pps 1000Mbps:1488000pps
Switching Capacity	IS2100D-2GF8TX: 9.6Gbps IS2100D-4GF10GT: 28Gbps IS2100D-2GF4GT-P: 12Gbps IS2100D-2GF8GT-P: 20Gbps IS2100D-4GF10GT-P: 28Gbps

IGMP groups	IS2100D-2GF8TX: 4K Other: 1K	
MAC Table Size	8K	
VLAN number available	4K	
Priority Queues	8	
Buffer size	IS2100D-2GF8TX: 32M Other: 4M	
ACL rules	IS2100D-2GF8TX: 512 Other: 256	
Jumbo Frame	IS2100D-2GF8TX: 2048 bytes Other: 9K bytes	
Ports		
Fixed Ports	IS2100D-2GF8TX	8 * 10/100Base-TX 2 * 100/1000BaseX SFP
	IS2100D-4GF10GT	10 * 10/100/1000Base-TX 4 * 100/1000BaseX SFP
	IS2100D-2GF4GT-P	4 * 10/100/1000Base-TX 2 * 100/1000BaseX SFP
	IS2100D-2GF8GT-P	8 * 10/100/1000Base-TX 2 * 100/1000BaseX SFP
	IS2100D-4GF10GT-P	10 * 10/100/1000Base-TX 4 * 100/1000BaseX SFP
Management Port	Console	
LED Light	POWER, Management Status, Link/Active and Transceiver	
Port Trunk	Support IEEE802.3ad, LACP	
Port Mirroring	Port monitor 1:1, n:1	
Bandwidth Control	Steps 64kbps	
Storm Control	Support Broadcast / Multicast / Unicast Storm Control	
Port Protection	Support MAC binding , MAC address filter, MAC limit	
Port Loop Detection	Support	
Port Isolation	Support	
Main feature		
Forwarding Mode	Storage and Forwarding	
VLAN	Port-based VLAN Support IEEE 802.1Q, up to 4094 VLANs	

		MAC-based VLAN Protocol-based VLAN Private VLAN GVRP Normal QinQ, selective QinQ
	DHCP	IPv4/IPv6 DHCP Client, IPv4/IPv6 DHCP Relay Option 82, Option 37/38 IPv4/IPv6 DHCP Snooping, IPv4/IPv6 DHCP Server
Reliability	Spanning Tree	802.1D STP, 802.1W RSTP, 802.1S MSTP Root Guard, BPDU Guard, BPDU Forwarding
	LACP	LACP support Load balance
	L2 Ring Protection	Ring protection protocol (ERPS) Loopback Detection
	Security	IP ACL, MAC ACL, MAC-IP ACL, User-Defined ACL Port Security, MAC Limit based on Port ARP Binding ARP Inspection IEEE 802.1x, MAB (MAC based authentication) Authentication, Authorization, Accounting Radius
	Multicast	IGMP v1/v2 snooping IGMP packet filtering Multicast control
	QoS	8 Queues Bandwidth Control Classification based on COS, DPL, PCP, DEL, IPV4 Policing Based on Port Remark COS/802.1p, DPL, DSCP SP, WRR for scheduling
	Maintenance and Operation Management	TFTP CLI, Telnet, Console, SSH Web/SSL SNMPv1/v2c Public & Private MIB interface RMON 1,2,3,9 Ping, Trace Route Radius Authentication Syslog (IPv4) SNTP (IPv4) Dual IMG, Multiple Configuration Files

	Port Mirror LLDP
Green Energy	Fanless design
Hardware Specs	
Dimension(W x D x H)	IS2100D-2GF8TX: 53mm×125mm×135mm(W×D×H) IS2100D-4GF10GT: 45mm×145mm×165mm (W×D×H) IS2100D-2GF4GT-P: 53mm×125mm×135mm (W×D×H) IS2100D-2GF8GT-P: 55mm×145mm×165mm(W×D×H) IS2100D-4GF10GT-P: 45mm×145mm×165mm(W×D×H)
Weight	<1kg
Installation	Din-Rail
Others	Fanless, IP40 protection
Electrical Performance	
Input Voltage	IS2100D-2GF8TX: 24VDC (18 ~36VDC) IS2100D-4GF10GT: 48VDC (46 ~57VDC) IS2100D-2GF4GT-P: 48VDC (46 ~57VDC) IS2100D-2GF8GT-P: 48VDC (46 ~57VDC) IS2100D-4GF10GT-P: 48VDC (46 ~57VDC)
Power Consumption	IS2100D-2GF8TX: <10Watts Other: <20Watts
Working Environment	
Working Temperature	-40 to 75 °C
Storage Temperature	-45 to 75 °C
Relative Humidity	0% ~ 90%, Non-condensing
Redundancy	
Network Redundancy	Support Ring Protection, <50ms Support single, dual and tangent ring Support STP/RSTP/MSTP
Port Redundancy	Support Port Trunk Ring protection protocol(ERPS)
Standard and Certification	
ISO	ISO9001:2008
EMI	FCC Part 15 (Class A), EN55022 (CISPR22 Class A), EN55024 (Class A), CE, EN50121-3-2, EN50121-4 IEC61850

EMC	EN61000-4-2, EN61000-4-3, EN61000-4-4 EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-12
Safety	EN60950, UL508/cUL508, UL1604/cUL1604

Ordering Information

Product Name	Description
IS2100D-2GF8TX	DIN Rail Industrial L2 Managed Switch, 8* 10/100Base-T + 2* 100/1000M SFP
IS2100D-4GF10GT	DIN Rail Industrial L2 Managed Switch, 10* 10/100/1000Base-T + 4* 100/1000M SFP
IS2100D-2GF4GT-P	DIN Rail Industrial L2 Managed POE+ Switch, 4* 10/100/1000Base-T(POE+30W) + 2* 100/1000M SFP
IS2100D-2GF8GT-P	DIN Rail Industrial L2 Managed POE+ Switch, 8* 10/100/1000Base-T(POE+30W) + 2* 100/1000M SFP
IS2100D-4GF10GT-P	DIN Rail Industrial L2 Managed POE+ Switch, 10* 10/100/1000Base-T(POE+30W) + 4 * 100/1000M SFP

Contact us

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