LA-IS7M-G0208P-LVB-CR-S

Industrial Managed Switch 8x10/100/1000M RJ45 PoE, 2x1000 SFP

Port 1~8 support auto 24V/48V PoE (Max. 30W/port)

Overview

The LA-IS7M-G0208P-LVB-CR-S is a full Gigabit managed industrial PoE switch, equipped with 8*10/100/1000M PoE ports and 2*100/1000 SFP fiber slot ports. Port 1-8 support auto 24V passive and 48V active output per ports, single port PoE power up to 30w, and the maximum PoE output power is 240w. As a PoE power supply device, it can automatically detect and identify the electrical equipment and supply power through the cable. It can supply the PoE terminal equipment, such as wireless AP, network camera, network telephone, industrial sensor and so on, to meet the demand for high density PoE power supply network environment. It is suitable for intelligent transportation, rail transportation, electric power industry, mining, metallurgy and green energy construction and other reliable communication networks.

The shell adopts aluminum alloy to enhance heat dissipation efficiency, IP40 protection grade, and ensures the stable operation of the equipment in bad environment. According to the actual application needs, through Web, CLI, SNMP network management, PoE power supply management, port flow control, VLAN division, STP, RSTP and other functions of the application service configuration.

Specifications

Downlink Port	8*10/100/1000M, Port 1~8 support auto 24V/48V PoE (Max. 30W/port)
Uplink Port	2*1000M SFP
Console Port	1
Reset Key	1
Power Input	3 group of independent power input Non-PoE: DC12-57V PoE: DC37-57V DC: PoE up 12-57V
Power Output	Port 1~8 support auto 24V/48V PoE, total budget 240w
Power Consumption	<315w
Environment Detection	1 group of input detection of environment temperature and humidity
Function Interface	1 switch for quick formation of ring network 2 group of independent power input, having under- and over-voltage protection 1 group of wide voltage alarm input at a range of DC5-57V 1 group of alarm and relay output, can define various custom condition trigger 1 group of environmental temperature and humidity detection, can make real-time monitoring of the environment Real-time system of crucial voltage monitoring and alarm output function Real-time system temperature, environment temperature, humidity and alarm output function Real-time detection and display of input voltage, current, power Multiple custom port control and intelligent management
Network protocol	IEEE 802.3x IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z IEEE 802.3ad IEEE 802.3q, IEEE 802.3q/p IEEE 802.1w, IEEE 802.1d, IEEE 802.1S IEEE 802.3z 1000BASE-X STP (Spanning Tree Protocol) RSTP/MSTP (Rapid Spanning Tree Protocol) EPPS ring network protocol EAPS ring network protocol
Port Specification	1-8 port 10/100/1000BaseT(X)auto detection, AUTO-MDI/MDI-X
Transmission Mode	Store and Forward (full wire speed)
Bandwidth	56Gbps
Packet Forwarding	14.44Mpps

MAC	8K
Buffer	4.1M
Transmission Distance	10BASE-T: Cat3,4,5 UTP(≤250 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-TX: Cat6 or later UTP(≤1000 meter) 1000BASE-SX: 62.5μm/50μm MMF(2m~550m) 1000BASE-LX: 62.5μm/50μm MM(2m~550m) or 10μm SMF(2m~5000m) BIDI supported
FLASH	16M
RAM	128M
LED Indicator	9-10: (SFP LED) PoE Port 1-8(Green=48V; Orange=24V); Link (Green=Link LED) PWR: (Power/system LED) V1: (Master power LED) V2: (Slave power LED) HW: (Ring network ON LED)
Power Consumption	Standby power consumption≤5W; Network Full-load power consumption≤15W; Full load power consumption≤360W
Operating Temperature/Humidity	-40～+80℃; 10%～90% RH No coagulation
Storage Temperature/Humidity	-40～+85℃; 5%～95% RH No coagulation
Lightning Protection Level	6KV 8/20us; 8KV ESD IP40
Product Size(L*W*H)	160*130*45mm
N.W(kg)	1kg
Installation	DIN-rail type (with additional wall hangers)
Certificate	CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;
Warranty	2 years
Monitoring Platform	Quick formation of ring network System temperature monitoring and alarm External temperature and humidity monitoring and alarm Input power monitoring and alarm System each channel key voltage monitoring and alarm System total current, total power monitoring and alarm All-Port network monitoring and alarm Support one group input and output signal monitoring and alarm

VLAN Configuration	Support port-based VLAN Up to 4096 VLANs Support Voice VLAN, can configure QoS for voice data 802.1Q
Spanning Tree	STP (Spanning tree protocol) RSTP/MSTP (Rapid spanning tree protocol) EPPS/EAPS (Ring network protocol) 802.1x
Port Aggregation	Support 8 groups of aggregation, each group support up to 8 ports;
Port Mirroring	Support many-to-one port mirroring
Loop Guard	Support loop protection, real-time detection, quick alarm, concise location, Intelligent blocking, automatic recovery
Port Isolation	Support downlink ports isolate from each other and communicate with uplink port as well
Flow Control	Half duplex based on Back pressure; Full duplex based on PAUSE frame
Speed Limitation	Bandwidth management based on port input and output
Multicast Control	IGMPv1/2/3 and MLDv1/2 Snooping GMRP protocol registration Multicast address management Multicast VLAN Multicast routing port Static multicast address
DHCP	DHCP Snooping
Storm Suppression	Support unknown unicast, multicast, unknown multicast, broadcast type storm suppression Storm suppression based on bandwidth adjustment and storm filtering
Security	Support User Port + IP address + MAC address ACL based on IP, MAC Support security properties of number of MAC address based on port
QOS	802.1p port queue priority algorithm CoS/ToS, QoS remark WRR (Weighted Round Robin), weighted priority rotation algorithm WRR, SP, WFQ priority scheduling modes
Cable Sequence	Auto-MDIX; auto detection on straight-through and cross-over cable
Negotiation Mode	Port support auto negotiation function (self-negotiation transmission rate and duplex mode)

System maintenance	Upgrade package upload System log viewing WEB recovery factory configuration
PoE Function	Port switch Schedule arrangement, timing switch Voltage, current, power display System total power display and configuration PoE dog: support auto reset, timing reset and IP binding reset when device failed Port power configuration (AF.AT HiPoE.BT) Indication of over power Port PoE type configuration (48V/24V power supplying)
Network Management	WEB interface management CLI management based on Telnet, TFTIP, Console SNMP V1/V2/V3 management RMONV1/V2 management RMON management

Ordering Information

PART NO	DESCRIPTION
LA-IS7M-G0208P-LVB-CR-S	Industrial Ethernet Switch 8x10/100/1000M RJ45 PoE, 2x1000M SFP Port 1~8 support auto 24V/48V PoE (Max. 30W/port)

https://www.lanaotek.com

Specifications & design are subject to change without prior notice.

For more details, please email to info@lanaotek.com. Copyright©2023 lanaotek.com All Rights Reserved