



ES6300-M12-12GT-P(9-48VDC)

Wall Mounting

12-Port Gigabit Layer 2 Managed Industrial Ethernet Switch

- Support 12 Gigabit M12 interfaces
- Support 1 UART(RS-232 level) and 1 clock pulse signal (PPS) input, adopt M12 interface, and can be connected with GPS
- Adopt Ring patented technology, support single ring, coupling ring, chain, Dual-homing function
- Support dual power redundancy, input voltage 9~48VDC
- Support IP67 protection grade
- Support -40~75°C wide operating temperature range













Introduction

IES6300-M12-12GT-P(9-48VDC) is12-port Gigabit layer 2 managed industrial Ethernet switch. Ethernet interfaces use firm and reliable M12 connectors which can adapt to usage scenario with vibration and shock. This product provides Gigabit copper port, UART interface and PPS pulse signal input, and it adopts wall mounting which can meet the requirements of different scenes.

Network management system supports various network protocols and industrial standards, such as Ring, STP/RSTP/MSTP, ERPS, DHCP, VLAN, QoS function, IGMP Snooping, LLDP, Port Trunking, Port Mirroring, NTP, PTP, etc. It also possesses complete management functions, including Port Configuration, Access Control, NAS, Network Diagnosis, Online Upgrading and so on, and supports CLI, WEB, Telnet, SSH, SNMP and other access methods. Network management system could bring you great user experience through its friendly interface design and easy and convenient operation.

The product provides two independent power supply circuits, which can ensure the normal operation of the device when one power supply fails. When DC power supply or port has link failure, ALM indicator will be bright and send out alarm, meanwhile, alarm device connected to the relay will send out alarm for rapid scene troubleshooting. The hardware adopts fanless, low power consumption and wide temperature design, which has passed rigorous industrial standard tests, and suits for the industrial scene environment with harsh requirements for EMC. It can be widely used in AP coverage, railway transportation, smart city, safe city, new energy, smart grid, intelligent manufacturing and other industrial fields.

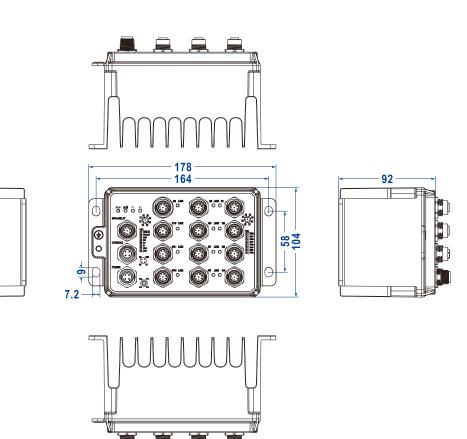
Features and Benefits

- SNMPv1/v2c/v3 is used for network management of various levels
- RMON can be used for efficient and flexible network monitoring
- QoS supports real-time traffic classification and priority setting
- LLDP can achieve automatic topology discovery, which is convenient for visual management
- DHCP server can be used for distributing IP address with different strategies
- DHCP Snooping can ensure DHCP client gets IP address from legal DHCP server
- DHCP relay function can realize IP address, gateway, DNS configuration cross network segment
- File management is convenient for the device rapid configuration and online upgrading
- User privilege classification configuration can set user privilege level
- SSH configuration and HTTPS configuration can improve device's management security and guarantee data access security
- Support NAS network access service and provide security assurance for multiple services
- MEP function can determine the scope and boundary of maintenance domain

- Ring and STP/RSTP/MSTP can achieve network redundancy, preventing network storm
- EPRS function can realize link backup and improve the reliability of network
- Loop protection could efficiently eliminate the influence caused by port loopback
- Relay alarm is convenient for troubleshooting of construction site
- Storm suppression can restrain broadcast, unknown multicast and unicast
- VLAN is used for simplifying network planning
- Static Aggregation and LACP can increase network bandwidth and enhance the reliability of network connection to achieve the best bandwidth utilization
- IGMP Snooping can be used for filtering multicast traffic to save the network bandwidth
- Network diagnosis and troubleshooting could be conducted via Ping and cable detection and port mirroring

Dimension

Unit: mm



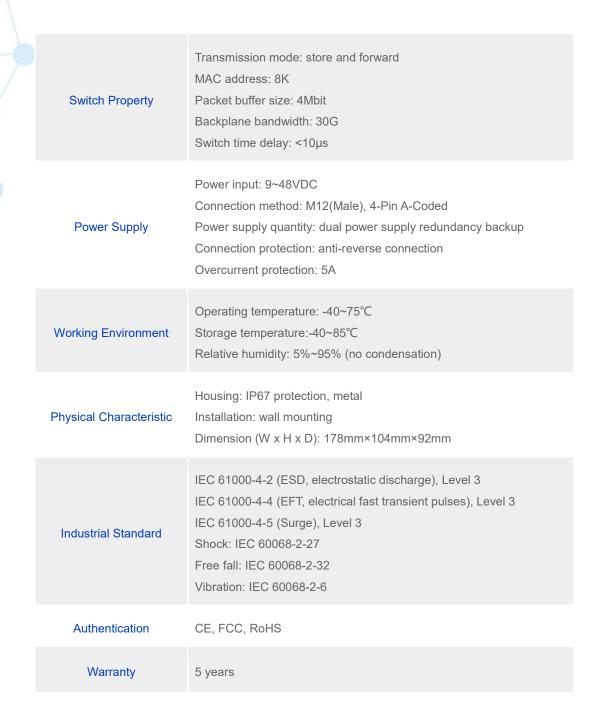
Specification

Standard & Protocol

IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX

	IEEE 802.3ab for 1000Base-T IEEE 802.3x for Flow Control IEEE 802.1D for Spanning Tree Protocol IEEE 802.1w for Rapid Spanning Tree Protocol IEEE 802.1s for Multiple Spanning Tree Protocol ITU-T G.8032 for ERPS IEEE 802.1Q for VLAN IEEE 802.1p for CoS IEEE 802.1AB for LLDP IEEE 802.3ad for LACP			
Management	SNMP v1/v2c/v3 Centralized Management of Equipment, RMON, QoS, LLDP, DHCP Server, DHCP Snooping, DHCP relay, user password, login method, File Management, Log Management, Port Statistics and MEP			
Security	User Privilege Classification, SSH Configuration, HTTPS Configuration, Access Control, SNMP, RMON, NAS, Radius Server Authentication, TACACS + Server Authentication, Port Alarm, DC Power Supply Alarm, Loop Protection			
Switch Function	802.1Q VLAN, Static Aggregation, LACP			
Unicast / Multicast	IGMP Snooping, Unicast MAC			
Redundancy Technology	Ring, STP/RSTP/MSTP, ERPS			
Troubleshooting	Ping, Cable Detection, Port Mirroring			
Time Management	NTP, Time Zone Configuration, PTP			
Interface	Gigabit M12:10/100/1000Base-T(X), M12(Female), 8-Pin A-Coded, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X Autotunning. GPS+RELAY: 1 M12(Female) interface, 8-Pin A-Coded; It supports 1 UART(RS-232 level) interface, 1 relay alarm output and 1 clock pulse signal input, and can be externally connected with GPS and alarm device; The relay current loading capacity is 1A@30VDC or 0.3A@125VAC CONSOLE port: CLI command line management port (RS-232), M12(Female), 4-Pin D-Coded			
Indicator	Running Indicator, Alarm Indicator, Power Supply Indicator, Interface Indicator			

Indicator





Ordering Information

Available Models	Gigabit M12	UART+PPS	Power Supply
IES6300-M12-12GT-P(9-48VDC)	12	1	9~48VDC, redundant power supply



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