

IES5028G-8GC-4GS

Managed Industrial Ethernet Switch (16 10/100/1000Base-TX + 8 Combo

Optical Electrical Ports + 4 1000Base-FX)

Features

- ◎ Support IEEE802.3, 802.3u/802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W
- ◎ Support 16 10/100/1000Base-TX Ethernet electrical ports, 8 Combo optical & electrical ports, 4 1000Base-FX optical ports
- ◎ 8K MAC table size
- ◎ Backplane bandwidth 56Gbps
- ◎ Back pressure and flow control prevent data package loss under high network load
- ◎ SW-Ring patented technology, support Single, Couple, Star, Double-star, failover time < 20ms
- ◎ Support MAC auto learning, auto aging
- ◎ Support WEB page configuration, import and export of configuration file
- ◎ Support port status display, port data update
- ◎ Support link trunking
- ◎ Support port isolation
- ◎ Support port-based VLAN, MAC-based VLAN, protocol-based VLAN
- ◎ Support GMRP, IGMP Snooping, and static multicast
- ◎ Support STP, RSTP, MSTP
- ◎ Support network security management, access control
- ◎ Support 802.1x certification
- ◎ Support remote network monitoring
- ◎ Support multi-port mirroring, single port mirroring, and network diagnosis
- ◎ Support rate control, broadcast, unknown multicast, unknown unicast storm control
- ◎ Support LLDP, QoS, DHCP Server, DHCP-monitor, ACL, loop back
- ◎ Support password management and static address lock
- ◎ Support 1 power input, and 1 relay alarm output
- ◎ Industrial design, -40~75°C working temperature
- ◎ Solid aluminum plate shell
- ◎ Fan-less design
- ◎ IP40 protection grade, 19" standard rack-mounted



Introduction

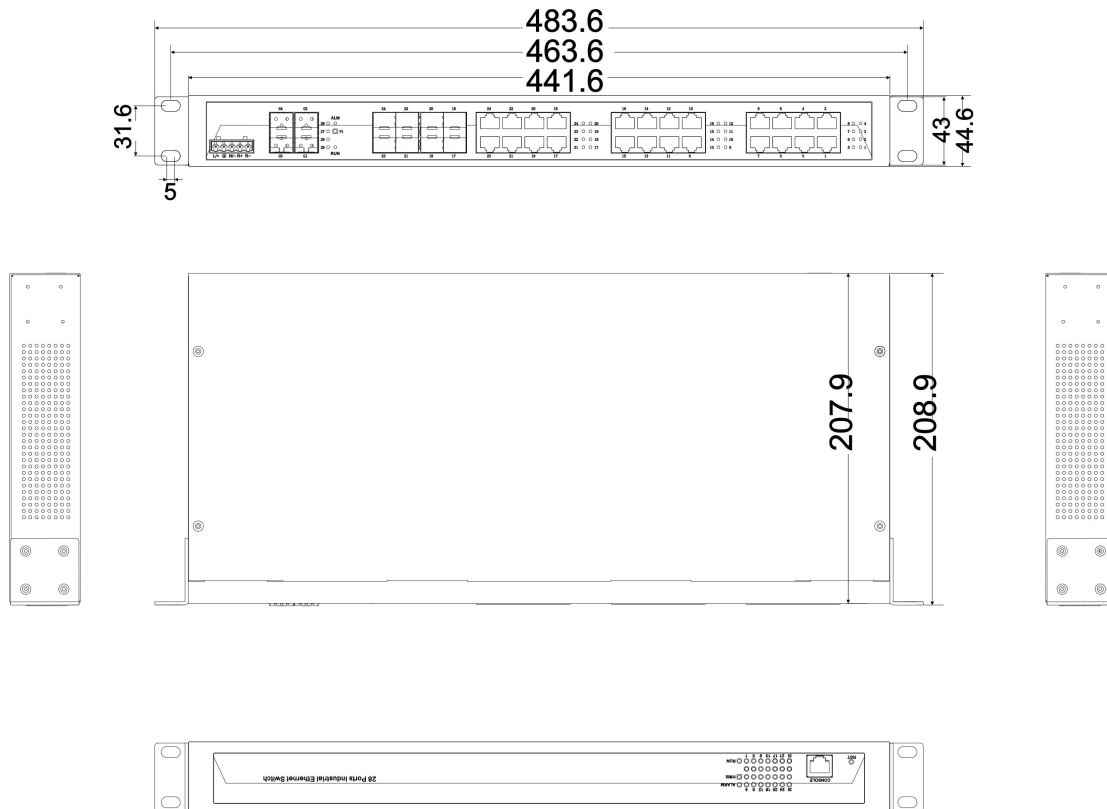
IES5028G-8GC-4GS-P(100/240VAC) is a high-performance, high cost-effective managed industrial Ethernet switch, supporting 16 10/100/1000Base-TX electrical ports, 8 combo electrical & optical ports, and 4 1000Base-FX optical ports (SFP slot). All electrical ports of the switch support auto flow control, full/half duplex and MDI/MDI-X self-adaptive. In addition, it also provides advanced management functions such as: VLAN, link trunking, Quality of Service, spanning tree, rate control, loop back, port mirroring, port

isolation, ring network redundancy, fault alarm, and firmware online update. The unique redundant Ethernet patented technology brings you intelligent redundancy for Ethernet, and offers a visual WEB operating interface.

This switch adopts standard industrial design, no fan, and low power consumption; all components are of industrial grade, realizing a high reliability and satisfying requirements of all industrial applications.

Dimension

Unit (mm)



Specification

Technology

Standard: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z, IEEE802.1Q, IEEE802.1p, IEEE802.1W

Protocol: ARP, ICMP, TCP, DHCP, DNS, HTTP, Telnet, RSTP, MSTP, LLDP, LACP, IGMP, GMRP, SNMP

Flow Control: IEEE802.3x flow control, Back Pressure

Function

Switch Functions: SW-Ring, QOS, VLAN, MSTP, SNMP, ACL, LLDP, RMON, DHCP, GMRP, IGMP Snooping, link trunking, static multicast, port mirroring, port isolation, bandwidth management, storm control, port traffic statistics, online update, up and download configuration file, user name access system

SW-Ring: Single, Couple, Chain, Dual homing

Interface

Electrical port: 10/100/1000Base-TX self-adaptive RJ45 port, full / half duplex or forced working mode, support MDI/MDI-X self-adaptive

Optical port: 1000Base-FX

Alarm port: 2 bits 7.62mm terminal block

1 relay alarm message output

Console port: CONSOLE management port

Transmission distance

Twisted pair: 100M (standard CAT5/CAT5e cable)

Optical: Multi-mode 850nm/2Km

Multi-mode 1310nm/2Km/5Km

Single-mode 1310nm/20/40/60Km

Single-mode 1550nm/80/100/120Km

Switch Properties

1000M forward speed: 1488100pps

Transmit mode: store and forward

Switched bandwidth: 56G

Buffer: 1.5M

MAC table size: 8K

Indicator

Power indicator: PWR

Alarm indicator: ALARM

Run status indicator: RUN

Port connection / run status indicator: (1-28)



Power Supply

Input voltage: 220VAC (100~240VAC)

Terminal block: 3 bits terminal block

No-load power: 13.3W@220VAC

Full-load power: 26.5W@220VAC

Physical Characteristics

Shell: IP40 protection grade, metal shell

Installation: 19" rack-mounted

Weight: 2950g

Size (H*W*D): 441.6mm×208.9mm×44.6mm

Working Environment

Working temperature: -40℃~75℃

Storage temperature: -40℃~85℃

Humidity: 0%~95% (no condensation)

Industry Standard

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: EN61000-4-2 (ESD), Level 4

EN61000-4-4 (EFT), Level 3

EN61000-4-5 (Surge), Level 4

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Warranty

Warranty period: 5 years

Certification

CE, FCC, RoHS, UL508 (pending)

For latest information on product certification, please refer to 3onedata website.

Ordering Information

IES5028G-8GC-4GS 16-port 10/100/1000Base-T(X) + 8 * Gigabit Combo ports + 4 * Gigabit SFP ports, rack-mount, 100-240VAC

Packing List

1. Ethernet switch IES5028G-8GC-4GS(plus terminal block) × 1
2. User manual × 1
3. CD × 1
4. Certificate of quality × 1
5. Warranty card × 1
6. Power cable × 1