



L2 Industrial PoE Managed Ethernet Switch

16GE + 4SFP

CI3164GS-POE



-40 - 80°C



8KV surge protection



ERPS <20ms



IP40 Protection

Brief Views

CI3164GS-POE is a hardened 20-port Industrial Ethernet Switch, providing non-blocking wire-speed performance in a harsh industrial environment. It provides 16-port 10/100/1000BASE-TX RJ45 +4G SFP delivered in an IP40 rugged, strong case with a redundant power system. Its slim case is suitable for such applications as surveillance system deployments, control management and wireless service in climatically demanding environments with a wide temperature range from -40°C to 80°C.

Functional Features

- 16*10/100/1000M RJ45 Auto MDI/MDIX
- 4*100/1000M SFP ports;
- Support IEEE802.3af/at;
- Support LACP protocol;
- Support LLDP protocol;
- Support IGMP Snooping ,IGMP V1/V2/V3;
- Support STP/RSTP/MSTP, support ERPS (self-healing time <20ms);
- Support QoS (IEEE 802.1p/1Q) and TOS/Diffserv to increase network stability;
- Support ACL access control list;
- Support WEB, SNMP management mode;
- Support power supply, port, abnormal state relay output.

Hardware

- **Downlink ports**
 - 16*10/100/1000BASE-T RJ45 ports
- **Uplink ports**
 - 4*SFP
- **Console port**
 - 1 pcs
- **Switching capability**
 - 106Gbps
- **Packets switching capability**
 - 29.76Mpps
- **Switching method**
 - Storage forwarding
- **LED light**
 - Power,system
- **Enviroment parameters**
 - Work temperature: -40 to 80°C
 - Storage temperature: -40 to 85°C
 - Work humidity: 5% to 95%
 - Storage humidity: 5% to 95%
- **MAC table size**
 - 8K
- **FAN**
 - Fanless,natural cold
- **MTBF**
 - >300,000hours
- **Power**
 - 48 to 57V DC redundant power
- **Power consumption**
 - <10W
- **Dimention (W*D*Hmm)**
 - 166×137×68.5mm
- **IP class**
 - IP40 aluminum housing
- **Certification**
 - CE FCC ROHS compliance
- **Installation**
 - DIN rail

● EMC

- IEC61000-4-2 (ESD): $\pm 8\text{kV}$ (contact), $\pm 12\text{kV}$ (air)
- IEC61000-4-3 (RS): 10V/m (80~1000MHz)
- IEC61000-4-4 (EFT): Power Port: $\pm 4\text{kV}$; Data Port: $\pm 2\text{kV}$
- IEC61000-4-5 (Surge): Power Port: $\pm 2\text{kV/DM}$, $\pm 4\text{kV/CM}$; Data Port: $\pm 2\text{kV}$
- IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)
- IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)

● PoE

- IEEE802.3af/ IEEE802.3at
- 1-12 ports support PoE
- Output Voltage: DC48V
- Max. 15.4 watts (IEEE 802.3af)
- Max. 30 watts (IEEE 802.3at)
- PoE port Auto detect AF/AT devices
- Power Pin Assignment:1/2+;3/6-
- End-span(Mid-span optional)

Software

● Jumbo Frames

- 9600bytes

● VLAN

- Port based VLAN
- IEEE 802.1Q VLAN
- Max.4094 VLANs
- Support GVRP protocol
- Support Access,Trunk,Hybrid

● QoS

- IEEE 802.1p/1Q
- TOS/ Diffserv

● LACP

- Support Link Aggregation Control Protocol

● LLDP

- Support Link Layer Discovery Protocol

● Multicast

- IGMP v1/v2/v3
- IGMP snooping

● Security feature

- Support ACL
- Support 802.1x
- Support user classification management
- Support mac address binding
- **Ring protect protocol**
- Support STP/RSTP/MSTP
- Support ERPS (self-healing time <20ms)

● Flow control

- Support 802.3x full duplex flow control
- Support network storm suppression

● Monitoring maintenance

- Support port mirroring
- Support interface status monitoring
- Support log management

- **Storm control**

- Broadcast/Multicast/Unknown Unicast storm control

- **SNMP**

- SNMP V1,V2,V3

- **DHCP Snooping**

- Prevent illegal DHCP server

- **Alarm function**

- Support power supply, port, abnormal state relay output

- **Network management**

- Support SSH/Telnet

- CLI

- SNMP

- WEB

(IP:192.168.10.12 ,username/password: admin/admin)