

**CI3084GS**

## L2 Industrial Managed Ethernet Switch

**8GE + 4SFP****-40 - 80°C****8KV surge protection****ERPS <20ms****IP40 Protection**

### Brief Views

CI3084GS is a hardened 12-port Industrial Ethernet Switch, providing non-blocking wire-speed performance in harsh industrial environments. It provides 8-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

- 8\*10/100/1000M RJ45 Auto MDI/MDIX
- 4\*100/1000M SFP ports;
- 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**
  - 8\*10/100/1000BASE-T RJ45 ports
- **Uplink ports**
  - 4\*SFP
- **Console port**
  - 1 pcs
- **Switching capability**
  - 76Gbps
- **Packets switching capability**
  - 17.76Mpps
- **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%
- **IP class**
  - IP40 aluminum housing
- **MAC table size**
  - 8K
- **FAN**
  - Fanless,natural cold
- **MTBF**
  - >300,000hours
- **Power**
  - 12 to 52V DC redundant power
- **Power consumption**
  - <10W
- **Dimention (W\*D\*Hmm)**
  - 143.7×125×47.7mm
- **Weight**
  - Product Weight: 0.85KG
  - Packing Weight: 0.95KG
- **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):  $10\text{V/m}$  (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):  $3\text{V}$  (10kHz-150kHz);  $10\text{V}$  (150kHz-80MHz)
- IEC61000-4-16 (Common mode conduction):  $30\text{V}$  (cont.),  $300\text{V}$  (1s)

## 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)