

## 28-Port GE Unmanaged Industrial Ethernet Switch



- Max to 24\*10/100/1000BASE-T(X) RJ45 ports;
- Max to 8\*100/1000BASE-F(X) speed Auto-negotiation SFP fiber ports (SC/ST/FC support 1000BASE-X only);
- 4\*Gigabits SFP slots, any support 1000M SFP fiber module(support SM/MM) or electrical module;
- High strength IP40 shell and industrial-grade EMC design;
- Support redundant dual voltage 110/220VAC power input, or 220VDC or 48VDC power input;
- Support the standard 19" rack-mountable installation, optional wall-mounted installation;
- Operating temperature range: -40~75 °C, suitable for industrial environment applications

### Product Overview

CRS3200 series are rack-mount switches designed for industrial applications, such as traffic control system, electric power network system, various kinds of wind power photovoltaic system. CRS3200 series support gigabit and fast Ethernet backbone network, and the isolation of dual power input (48VDC or 220VDC or 110/220 VAC), enhance the communication stability, save the customer network cabling costs. CRS3200 series have different ports combination to meet the diverse needs for all kinds of industrial environment.

### Features

- IEEE802.3/802.3u /802.3ab /802.3z protocol, store and forward switching
- Max 24\*10/100/1000BASE-T(X) RJ45 ports, or 16\* 10/100/1000BASE-T(X) RJ45 and 8\*100/1000BASE-X Auto-Negotiation speed fiber ports(for SFP port, SC/ST/FC support 1000BASE-X only)
- RJ45 ports support Auto-Negotiation speed, and auto-duplex (half duplex/full duplex), MDI/MDI-X mode.
- 4\*1000BASE-X SFP interfaces
- High strength IP40 casing provide high EMC level protection.
- Support redundant dual voltage 100~240VAC power input(220V DC or 48V DC optional)
- Operating temperature range: -40~75 °C

### Specification

#### Technology

- Standard:IEEE802.3、IEEE802.3u、IEEE 802.3ab、IEEE 802.3z

#### Interfaces

- RJ45 port: 10/100/1000BASE-T(X) Auto-Negotiation speed, auto duplex mode and MDI/MDI-X connection.
- SFP port: 1000BASE-X SFP fiber port, fiber module (single-mode and multimode) and SFP electrical module
- Fiber port: 1000Base-X full Duplex (default SC port, FC/ST optional), max to 120 km

#### Exchange Property

- Ten trillion forwarding speed:14881pps;Fast forwarding speed:148810pps;Gigabit forwarding speed:1488096pps
- Transmission way: Store-and-forward.

- Switching bandwidth: 56Gbps
- Buffer memory size: 1.5 Mbytes.
- MAC address table: 16 k

#### Power Supply

- Wide range of redundancy dual 100~240V AC(50~60Hz 1.2A) voltage power input, Using three-wire single-phase power cord
- Wide range of redundancy dual 220V DC(48V DC optional) voltage power input, adopt 2 cores 7.62mm industrial terminal port,Built-in over-current protection

#### Mechanical Properties

- Dimension(W×H×D): 482.6mm×44mm×275mm
- Net weight: 3.15 Kg
- Shell: IP40 protection grade, metal casing

- Installation: racks installed (optional wall-mounted)

### Operating Environment

- Working temperature: -40°C~75°C
- Storage temperature: -40°C~ 85°C

- Relative humidity: 5% ~ 95% (no condensing)

### Warranty

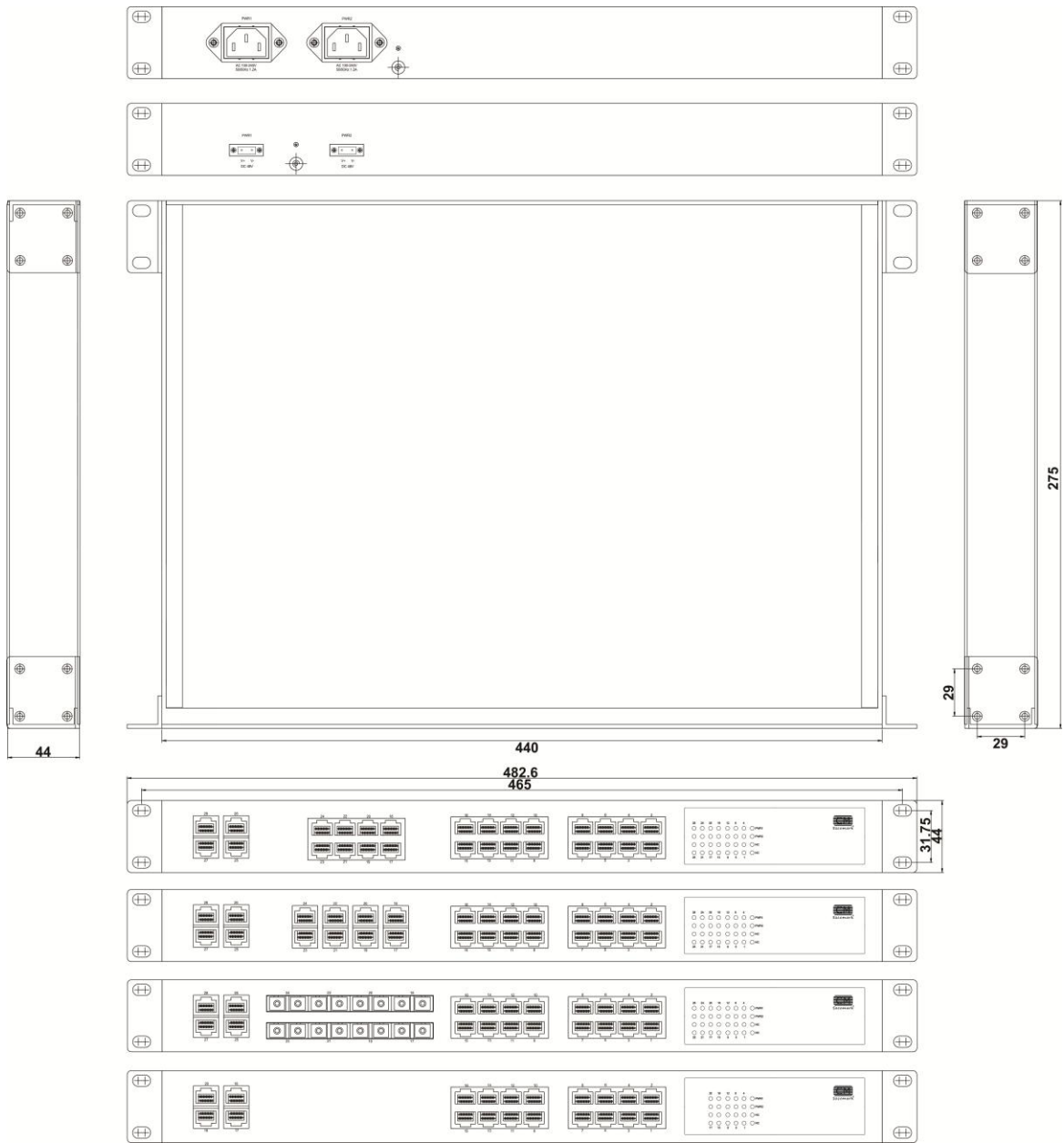
- Warranty: 5 years



## Standard

- IEC61000-4-2(ESD):  $\pm 6$ KV touch,  $\pm 15$ KV air
- IEC61000-4-3(RS): 10V/M (80-1000MHZ)
- IEC61000-4-4(EFT): Power cable  $\pm 4$ KV, data cable  $\pm 2$ KV
- IEC61000-4-5(Surge): Power cable  $\pm 2$ KV CM/ $\pm 1$ KV DM, data cable  $\pm 2$ KV
- IEC61000-4-6(CS): 3V(10KHZ-150KHZ),10V(150KHZ-80MHZ)
- IEC61000-4-16: 30V(cont.),300V(1s)
- IEC60068-2-6
- IEC60068-2-27
- IEC60068-2-32
- IEC61000-6-2, IEC61750-3, IEEE1613
- EN50121-4

# Dimension(mm)



## Product Models

Product Models	Specification & Descriptions
CRS3228-8TX	28*GE Unmanaged Industrial Ethernet, 24*10/100/1000BASE-T(X) RJ45 ports, 4*1000M SFP ports (Optional fiber or electrical module), rack installation
CRS3228-8FX	28*GE Unmanaged Industrial Ethernet, 16*10/100/1000BASE-T(X) RJ45, 8*1000BASE-FX optical ports (SC/ST/FC optional), 4*1000M SFP ports (Optional fiber or electrical module), rack installation
CRS3228-8SFP	28* GE Unmanaged Industrial Ethernet, 16*10/100/1000BASE-T(X) RJ45, 8*1000BASE-FX SFP ports (Fiber or electrical module), 4*1000M SFP ports(Optional fiber or electrical module), rack installation
CRS3220	20*GE Unmanaged Industrial Ethernet, 16*10/100/1000BASE-T(X) RJ45 ports, 4*1000M SFP ports (Optional fiber or electrical module), rack installation

## Package List

- 28-Port GE Unmanaged Industrial Ethernet Switch 1 pcs
- Product Manual 1pcs
- Product Warranty 1pcs