

24/16*FE+4*GE Unmanaged Industrial Ethernet Switch



- Max to 24*10/100BASE-T(X) RJ45 ports;
- Max to 8*10/100BASE-TX RJ45 or 100BASE-FX ports (SC/ST/FC optional);
- 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

CRS3100 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. CRS3100 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. CRS3100 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*10/100BASE-T (X) RJ45 port, or 16* 10/100BASE-T (X) RJ45 and 8*100 BASE-FX slots(SC/ST/FC/SFP optional)
- 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(220VDC or 48VDC optional)
- Operating temperature range: -40~75°C

Specification

Technology

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

Interfaces

- RJ45 port: 10/100BASE-T(X) auto-Negotiation speed, auto duplex mode and MDI/MDI-X connection.
- SFP port: 1000BASE-X SFP optical port, 1000M SFP optical module (single-mode and multimode) and 1000M 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: 12.8Gbps
- 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: $-40^{\circ}\text{C} \sim 75^{\circ}\text{C}$
- Storage temperature: $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- Relative humidity: 5% ~ 95% (no condensing)

Warranty

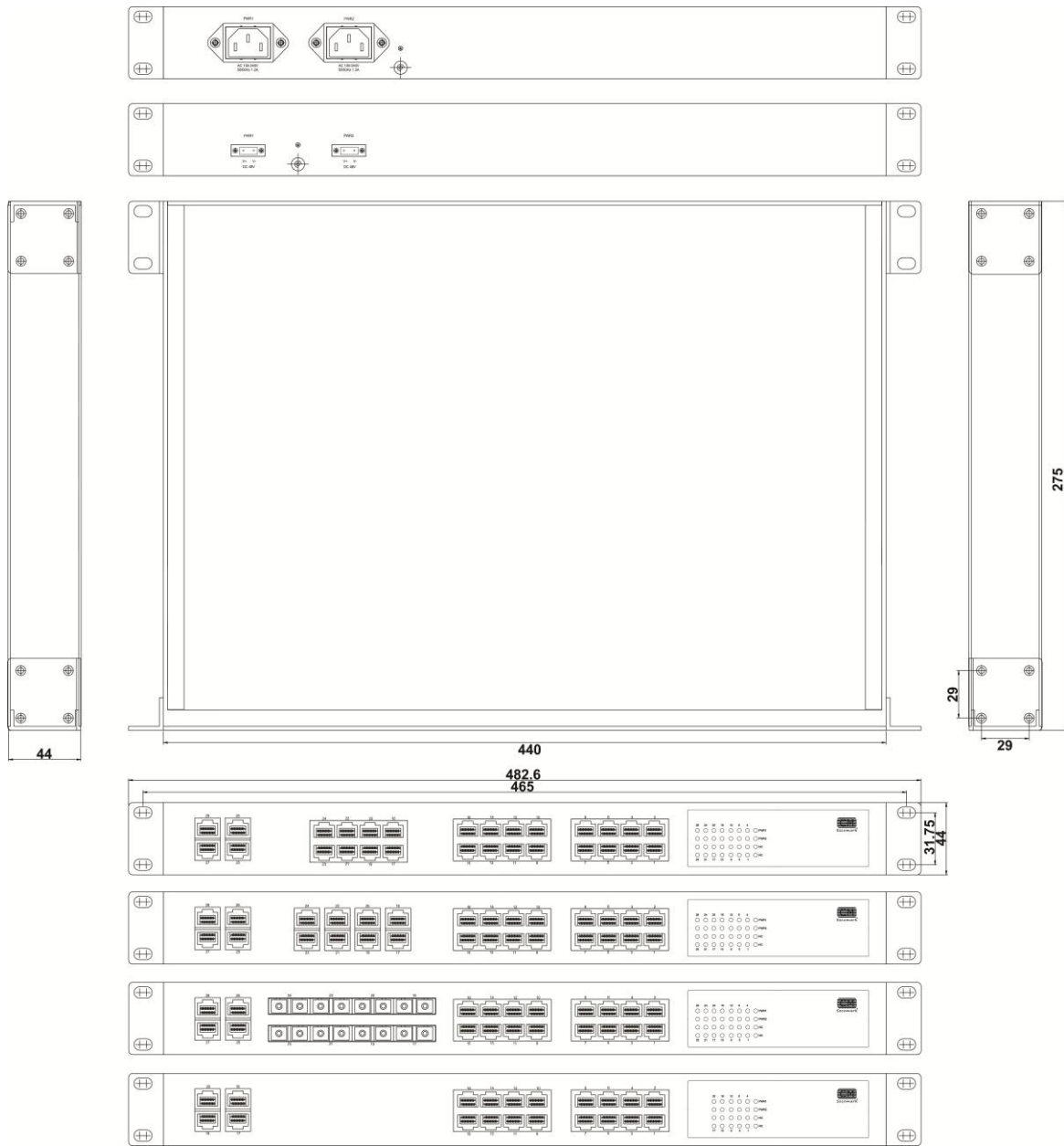
- Warranty: 5 years



Standard

- IEC61000-4-2(ESD): $\pm 6\text{KV}$ touch, $\pm 15\text{KV}$ air
- IEC61000-4-3(RS): 10V/M (80-1000MHZ)
- IEC61000-4-4(EFT): Power cable $\pm 4\text{KV}$, data cable $\pm 2\text{KV}$
- IEC61000-4-5(Surge): Power cable $\pm 4\text{KV}$ CM/ $\pm 2\text{KV}$ DM, data cable $\pm 4\text{KV}$
- 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
CRS3128-8TX	24*FE+4*GE Unmanaged Industrial Ethernet, 24*10/100BASE-T(X) RJ45 ports, 4*1000M SFP ports (Optional fiber or electrical module), rack installation
CRS3128-8FX	24*FE+4*GE Unmanaged Industrial Ethernet, 16*10/100BASE-T(X) RJ45, 8*100BASE-FX optical ports (SC/ST/FC optional), 4*1000M SFP ports (Optional fiber or electrical module), rack installation
CRS3128-8SFP	24*FE+4*GE Unmanaged Industrial Ethernet, 16*10/100BASE-T(X) RJ45, 8*100BASE-FX SFP ports (Fiber or electrical module), 4*1000M SFP ports(Optional fiber or electrical module), rack installation
CRS3120	16*FE+4*GE Unmanaged Industrial Ethernet, 16*10/100BASE-T(X) RJ45 ports, 4*1000M SFP ports (Optional fiber or electrical module), rack installation

Package List

- 24*FE+4GE Unmanaged Industrial Ethernet Switch 1 pcs
- Product Manual 1pcs
- Product Warranty 1pcs