

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



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

### Product Overview

Ck4128 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. Ck4128 series support gigabit and fast Ethernet backbone network, and the power input (24VDC or 48VDC or 220VDC or 110/220 VAC, redundant dual power optional), enhance the communication stability, save the customer network cabling costs. Ck4128 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)
- Max 24\*100BASE-FX slots, or 16\*100BASE-FX slots(SC/ST/FC/SFP optional) and 8\*10/100BASE-T(X) RJ45 port
- RJ45 ports support Auto-Negotiation speed, and auto-duplex (half duplex/full duplex), MDI/MDI-X mode.
- 4\*1000BASE-X SFP interfaces optional
- High strength IP40 casing provide high EMC level protection.
- Support voltage 100~240VAC power input(24VDC or 48VDC or 220VDC optional, redundant dual power 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.
- Fiber port: 100Base-FX full Duplex (default SC port, FC/ST optional), max to 120 km
- SFP port: 1000BASE-X SFP optical port, 1000M SFP optical module (single-mode and multimode) and 1000M SFP electrical module

#### 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 voltage power input: 100~240V AC(50~60Hz 1.2A), Using three-wire single-phase power cord, redundant dual power optional
- Wide range voltage power input: 24V DC(48V DC or 220V DC optional) voltage power input, adopt 2 cores 7.62mm industrial terminal port,Built-in over-current protection,

redundant dual power optional.

### Mechanical Properties

- Dimension(W×H×D): 440mm×46mm×328mm
- Net weight: 3.20 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

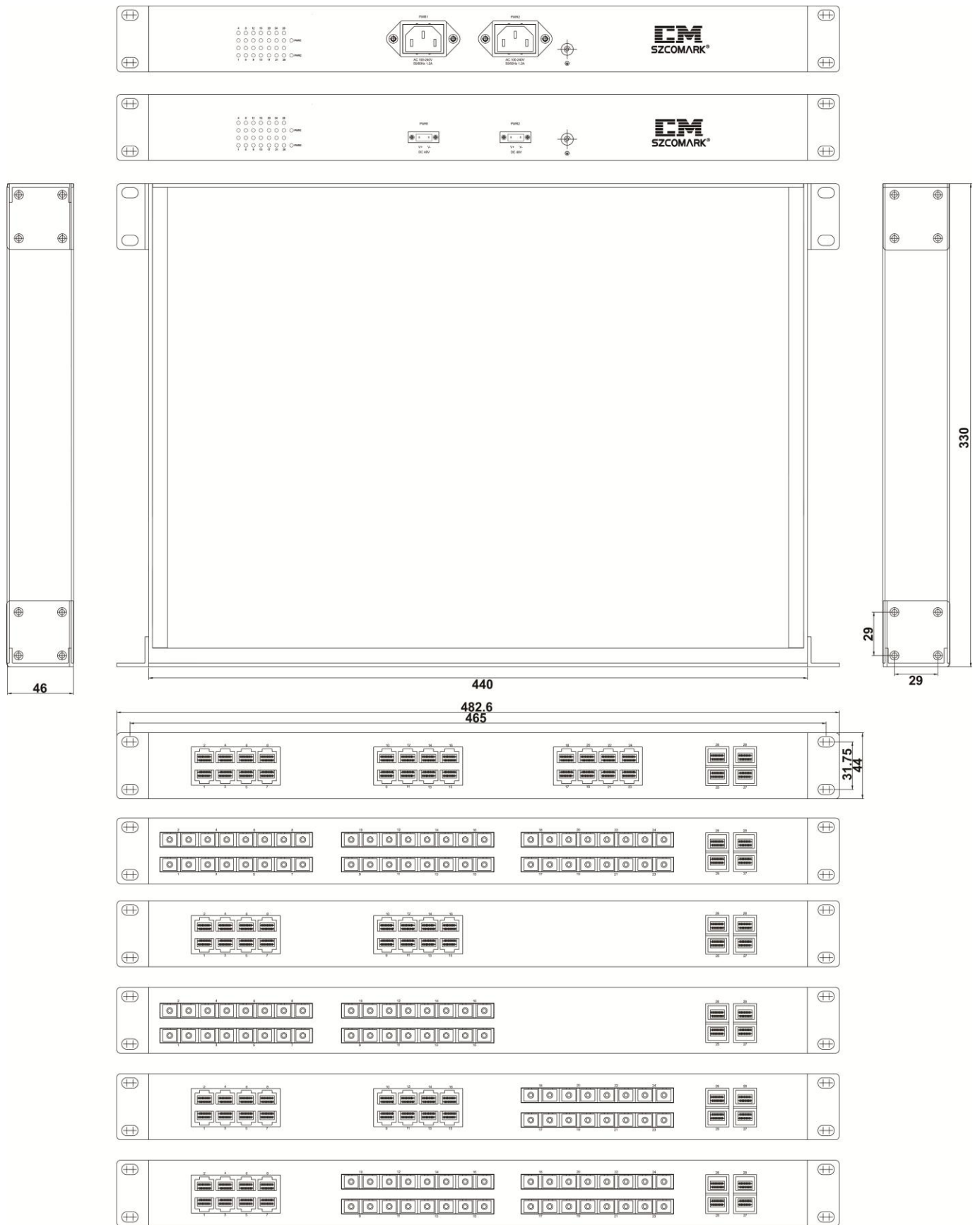
- Warranty: 5 years



## Standard

- IEC61000-4-2(ESD): Power cable ±8KV touch, data cable ±6KV touch, metal shell ±8KV touch ±15KV air
- IEC61000-4-3(RS): 10V/M (80-1000MHZ)
- IEC61000-4-4(EFT): Power cable ±2KV, data cable ±4KV
- IEC61000-4-5(Surge): Power cable ±2KV CM/±1KV DM, data cable ±2KV
- 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
Ck4128-24TX	24*FE+4*GE Unmanaged Industrial Ethernet, 24*10/100BASE-T(X) RJ45 ports, single power input, 19" rack-mountable installation
Ck4128-24FX	24*FE+4*GE Unmanaged Industrial Ethernet, 24*100BASE-FX optical ports (SC/ST/FC optional), single power input, 19" rack-mountable installation
Ck4128-16TX	16*FE+4*GE Unmanaged Industrial Ethernet, 16*10/100BASE-T(X) RJ45 ports, single power input, 19" rack-mountable installation
Ck4128-16FX	16*FE+4*GE Unmanaged Industrial Ethernet, 16*100BASE-FX optical ports (SC/ST/FC optional), single power input, 19" rack-mountable installation
Ck4128-16TX8FX	24*FE+4*GE Unmanaged Industrial Ethernet, 16*10/100BASE-T(X) RJ45, 8*100BASE-FX optical ports (SC/ST/FC optional), single power input, 19" rack-mountable installation
Ck4128-8TX16FX	24*FE+4*GE Unmanaged Industrial Ethernet, 8*10/100BASE-T(X) RJ45, 16*100BASE-FX optical ports (SC/ST/FC optional), single power input, 19" rack-mountable installation

## Package List

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