

CRS7228M-6T2F

100M Managed (DIN-Rail) Industrial Ethernet Switch



Features & Advantages

- 2*100Base-FX optical ports, 6个10/100Base-TX self-adaptive RJ45 interfaces.
- Support IEEE802.3i, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE 802.3af/at Standards.
- Equipped with DC10-55V wide voltage dual power supply redundancy and anti-reverse connection protection.
- Designed with a four-level lightning protection chip, effectively resisting lightning strikes below 8KV and static electricity 8-15KV.
- Fully industrial-grade materials, with IP40 protection, low power consumption, industrial design: working temperatures range of -40~85°C.
- Encased in a corrugated high-strength aluminum alloy shell, DIN-rail installation.
- Passed the inspection report of the Ministry of Public Security: CCC、FCC、CE、RoHS
- Support PoE expansion, IEEE802.3af: maximum power of 15.4W, IEEE802.3at: maximum power of 30W.

Product Overview

The CRS7228M-6T2F is a 100M Managed (DIN-Rail) Industrial Ethernet Switch. It supports 2*100Base-FX optical ports, 6*10/100Base-TX self-adaptive RJ45 interfaces. The switch supports both WEB and VLAN management, and features a robust QoS suite for effective data flow control and management. Additionally, it supports ring network protocols, RSTP and STP for Ethernet redundancy, port-based VLAN, IEEE 802.1Q VLAN and GVRP.

The products also adopt with fan-free, low power consumption, industrial design, working temperature range of -40~85°C, meeting the requirements of various industrial settings and providing a cost-effective solution. The equipment can be widely used in various broadband data transmission fields, such as intelligent buildings, smart cities, smart communities, intelligent transportation, telecommunications, security, financial securities, customs, shipping, electricity, water conservancy, and oilfields.

Technical Specification

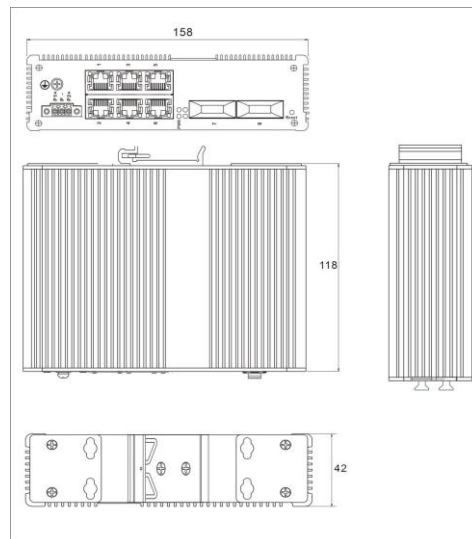
Business Interface	2*100Base-X , 6*10/100 Base-T
Power Connector	3P Phoenix terminal, dual power supply redundancy
LED	Power indicator: PWR (green); System indicator: SYS (green); Network Port Indicator: yellow(1000 or PoE), green(Link)

Cable Type & Distance	Twisted Pair 0-100m (CAT5e,CAT6)
Network Topology	Ring Topology Star Topology Bus Topology Tree Topology Hybrid Topology
Power Supply	Input Voltage: DC10~55V (PoE/DC48~55V) Power Consumption Non-PoE full load (Total power)<10W, PoE full load <90W
PoE (Optional)	PoE ports 1-6 PoE Protocols 802.3af, 802.3at PoE Pin Assignment 1,2,3,6 PoE Management
Switching Capacity	1.6G
MAC Address Table	1K
VLAN	16 VLAN IDs
Packet Buffer	448K
Forward Delay	<10us
Port Feature	Crossover/Straight-Through self-adaption
Flow Control	Support
Jumbo Frame	10Kbytes
Spanning Tree Protocol	STP
Link Aggregation	12 Group
Multicast	IGMP Snooping
Port Mirroring	Support
Storm Control	Support
Port Traffic Statistics	Support
QINQ	Support
Operating Temperature	-40°C~+85°C
Storage/Transportation Temperature	-40°C~+85°C
WEB	Support
User Management	Support

Protection	IP40 IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us) IEC 61000-4-5 Level 3 (6KV/2KV) (10/700us) IEC 61000-4-3 Level 3 (10V/m) IEC 61000-4-4 Level 3 (1V/2V) IEC 61000-4-6 Level 3 (10V/m) IEC 61000-4-8 Level4 (30A/m) IEC 61000-4-11 Level3 (10V) EMI CLASS A IEC 61000-4-2 Level 4 (15KV/30KV) 0.5m
Heat Dissipation Method	Fan-free Design for Natural Heat Dissipation
MTBF	100,000 hours
Size	158X118X42mm
Installation	DIN-Rail
Weight	0.7KG
Shell Material	Industrial Aluminum Alloy
Accessories	Device, Terminal, Quality Certificate, Manual, Optional Power Adapter

Dimension

Unit: mm



Product Models

Product Models	Specification & Descriptions
CRS7228M-6T2F	2*100Base-FX optical interfaces, 6*10/100Base-TX self-adaptive RJ45 ports (default SC interface, ST/FC optional, Single-mode/Multi mode optional). DIN-Rail installation. -40°C~+85°C