Carat10-D8GT-D2C

DIN Rail Unmanaged Industrial Ethernet Switches

Features



- 8 x 10/100/1000M Adaptive Power Ports
- 9~36VDC wide voltage redundant power inputs
- Relay output warning in case of power failure
- High-strength metal enclosure structure is resistant to shock and vibration, rugged and durable
- Industrial fanless dustproof design is stable and reliable for long working hours

Product Overview

DIN Rail unmanaged Industrial Ethernet switch, is designed for network communication in industrial fields such as smart city, new energy, intelligent transportation and industrial automation, etc. It complies with the relevant industry standards, and has obtained a number of certificates, such as CE, FCC, UL62368, etc. It is suitable for industrial field environments with stringent requirements for EMC (Class 3), and can provide highly reliable industrial network connectivity solutions for different industrial applications.

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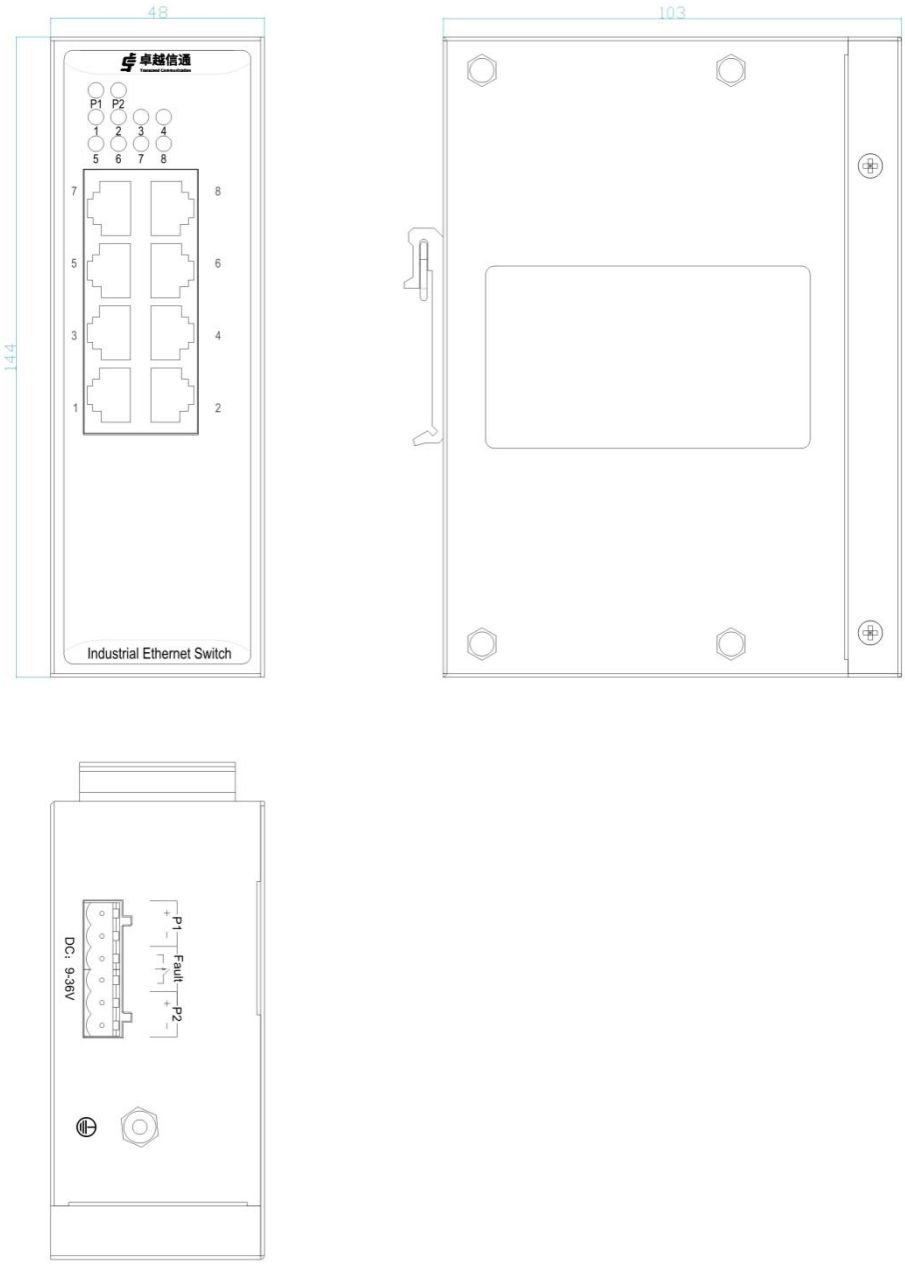
Carat10-D8GT-D2C utilizes store-and-forward switching and provides eight 10/100/1000 Base-TX RJ45 ports. Carat10-D8GT-D2C is a high-strength metal structure shell, can shield electromagnetic interference and anti-vibration and shock resistance, industrialized fanless design to avoid the reduction of failure points caused by the fan stops, in addition to the equipment power failure, through the built-in relay alarm function to the network administrator to send an alarm to ensure that the product in a variety of harsh industrial environments in a long-term stable, reliable and safe use.

Specifications

Standards compliance		
Standards	IEEE 802.3i(10Base-T) IEEE 802.3u(100Base-TX) IEEE 802.3ab(1000Base-T) IEEE 802.3z(1000Base-X)	
Exchange of properties		
Switching Characteristics	Store-and-forward	
Switching Capacity	20Gbps	
Packet Forwarding Rate	11.9Mpps	
Cache Capacity	2Mbit	
MAC Address	8K	
Switching Delay	<10μs	
Port Performance		
Electric port	8 x 10/100/1000Base-TX ports, RJ45, automatic flow control, full/half duplex mode, MDI/MDI-X auto-detect	
LED indicator	Power indicator (P1,P2), Interface indicator (Link/ACT)	
Mechanical properties		
Dimensions	48mm×103mm×143mm(W×D×H)	
Weight	820g	
Mounting	DIN-rail, optional wall-mounted	
Other	IP40 rating, metal housing	
Electrical Performance		
Input Voltage	24VDC(9~36VDC) redundant power input, support overload, reverse connection protection, 6-pin 5.08mm pitch terminal (relay occupies 2 positions)	
Alarm Port	Support 1-channel relay alarm output, terminal block	
Wattage	<4.1W	
Working environment		
Working Temperature	-40℃~75℃	
Storage Temperature	-40℃~85℃	
Relative humidity	5%~95%(no condensation)	
Standardized Certification		
System Certification	ISO9001，ISO14001，ISO22163（IRIS）	
Standard Certification	CE，FCC	
Safety	EN60950	
Electromagnetic	EMI	FCC CFR47 Part 15B Class A, CE EN55032 Class A

Compatibility EMC	EMS	Electrostatic discharge immunity (ESD)	EN61000-4-2
		Radio Frequency Electromagnetic Field Radiation Susceptibility (RS)	EN61000-4-3
		Electrical Fast Transient/Burst Immunity (EFT)	EN61000-4-4
		Surge Immunity (Surge)	EN61000-4-5
		Radio Frequency Conducted Susceptibility (CS)	EN61000-4-6
		Radio Frequency Conducted Susceptibility(PFMF)	EN61000-4-8
Vibration	Conforms to IEC 60068-2-6		
Shock	Conforms to IEC 60068-2-27		
Free fall	Conforms to IEC 60068-2-32		
MTBF	Mean Time Between Failure (MTBF) greater than 500,000 hours		

Physical Dimensions



Ordering Information

Model	Description
Carat10-D8GT-D2C	DIN Rail unmanaged industrial Ethernet switch, 8 Gigabit ports, 9-36VDC redundant power input, IP40 protection level
Carat10 Full Gigabit Series Selection Recommendations	
Carat10-D8GT-D2C	DIN-Rail unmanaged industrial Ethernet switch, 8 Gigabit ports, 9-36VDC redundant power input, IP40 protection class
Carat10-D8GT-HVC	DIN-Rail unmanaged industrial Ethernet switch, 8 Gigabit electrical

	ports, 220VAC dual input power supply, IP40 protection rating
Carat10-D2GF8GT-D2C	DIN-Rail unmanaged industrial Ethernet switch, 2 Gigabit SFP optical slots, 8 Gigabit electrical ports, 9-36VDC redundant power input, protection class IP40
Carat10-D2GF8GT-HVC	DIN-Rail unmanaged industrial Ethernet switch, 8 Gigabit Ethernet ports, 2 Gigabit SFP optical slots, 220VAC power supply with dual inputs, protection class IP40
Carat10-D8GT2ST02D3-D2C	DIN-Rail unmanaged industrial Ethernet switch, 2 Gigabit optical ports (ST multimode dual fiber, 1310nm, 2km), 8 Gigabit electrical ports, 9-36VDC redundant power input, protection class IP40
Carat10-D8GT2ST20D3-D2C	DIN-Rail unmanaged industrial Ethernet switch, 2 Gigabit optical ports (ST multi-mode dual fiber, 1310nm, 20km), 8 Gigabit electrical ports, 9-36VDC redundant power input, protection class IP40

More information

For more information about Transcend products, please visit our website or contact us via our email ： **info@transcendcom.cn**

We will contact you within 24 hours.

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