Carat10-D2GF8GT-D2C

DIN-Rail unmanaged Industrial Ethernet switch

Features



- 2 x 1000BaseSFP slots + 8 x 10/100/1000BaseT(X) 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 fan-less design, suitable for long-time work

Product Overview

Carat10-D2GF8GT-D2C DIN-rail unmanaged industrial Ethernet switch is designed for network communication in 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, and UL62368, etc. It is suitable for industrial field environments with strict requirements for EMC (Class 3), and can provide highly reliable industrial network connectivity solutions for different industrial It is suitable for industrial environments with stringent EMC (Class 3) requirements and can provide highly reliable industrial network connectivity solutions for different industrial applications.

Carat10-D2GF8GT-D2C adopts store-and-forward switching and provides two Gigabit SFP optical slots and eight 10/100/1000 Base-TX RJ45 ports.

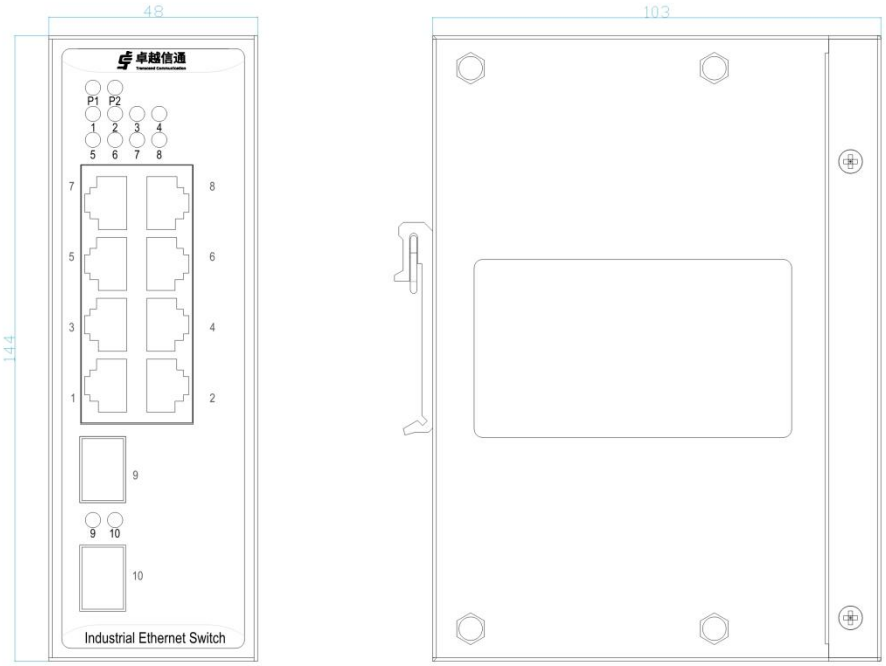
Carat10-D2GF8GT-D2C is a high-strength metal structure shell, can shield electromagnetic interference and anti-vibration and shock resistance, industrialized fanless design to avoid the reduction of failure points caused by the fan stops, in addition to the device occurs in the event of a power failure, 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.

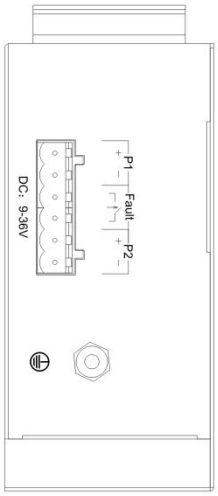
Specifications

Compliances	
Standards	IEEE 802.3i(10Base-T) IEEE 802.3u(100Base-TX) IEEE 802.3ab(1000Base-T) IEEE 802.3z(1000Base-X)
Switch Properties	
Mode	Store and forward
Switching Capacity	20Gbps
Forwarding Rate	14.88Mpps
Date buffer	2Mbit
MAC Address	8K
Switching delay	<10μs
Physical port	
Electrical port	8 *10/100/1000Base-TX ports, RJ45, auto flow control, full/half duplex mode, MDI/MDI-X auto-detect
Optical port	2 Gigabit SFP optical port slots, LC
LED Indicator	Power indicator (P1,P2), Interface indicator (Link/ACT)
Mechanical	
Dimensions	48mm×103mm×143mm (W×D×H)
Weight	820g
Installation	DIN-rail, optional wall-mounted
Dimensions	IP40 rating, metal housing

Electrical			
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 relay alarm output, terminal block		
Power	<4.1W		
Operating Temperature			
Working Temperature	-40℃~75℃		
Storage Temperature	-40℃~85℃		
Relative humidity	5%~95% (no condensation)		
Certifications			
System certification	ISO9001，ISO14001，ISO22163（IRIS）		
Standard certification	CE，FCC		
Safety	Compliance with EN60950		
EMC	EMI	FCC CFR47 Part 15B Class A, CE EN55032 Class A	
	EMS	ESD	EN61000-4-2
		RS	EN61000-4-3
		EFT	EN61000-4-4
		Surge	EN61000-4-5
		CS	EN61000-4-6
		PFMF	EN61000-4-8
Vibration	Compliance with IEC 60068-2-6		
Shock	Compliance with IEC 60068-2-27		
Freefall	Compliance with IEC 60068-2-32		
MTBF	More than 500000 hrs		

Physical Dimensions





Ordering Information

Model	Description
Carat10-D2GF8GT-D2C	DIN-Rail unmanaged industrial Ethernet switch, 2 Gigabit SFP optical port slots, 8 Gigabit electrical ports, 9-36VDC redundant power input, IP40 protection rating
Carat10 Full Gigabit Series Selection Recommendations	
Carat10-D8GT-D2C	DIN-rail unmanaged industrial Ethernet switch, 8 Gigabit ports, 9-36VDC redundant power input, protection class IP40
Carat10-D8GT-HVC	DIN-rail unmanaged industrial Ethernet switch, 8 Gigabit electrical ports, 220VAC dual input power supply, IP40 protection class
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 single-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.com**

We will contact you within 24 hours.

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