

Carat10-D8TX-D2C

DIN-rail unmanaged Industrial Ethernet switch

Features

- 8 x 10/100BaseT(X) ports
- Power input for 9-36VDC
- Switch Broadcast Storm Suppression Function, Qos function and power warning function
- In the event of a power failure, a warning can be output through a relay
- Industrial fan-less design, suitable for long-time work



Product Overview

Carat10-D8TX-D2C DIN-rail unmanaged Industrial Ethernet is an entry-level switch designed for network communications in industrial areas such as smart city, new energy, intelligent transportation and industrial automation, meeting industry standards such as EN60950, EN50032, cE, FCC and other certification, suitable for EMC (grade 3) has strict requirements of the industrial field environment, for different industrial applications to provide high-reliable industrial network connectivity solutions.

Carat10-D8TX-D2C uses a store-and-forward switch with 7 x 10/100BaseT(X) ports + 1 x 100BaseFX ports (SFP slots).

Carat10-D8TX-D2C is a metal structure Shell which can shield electromagnetic interference

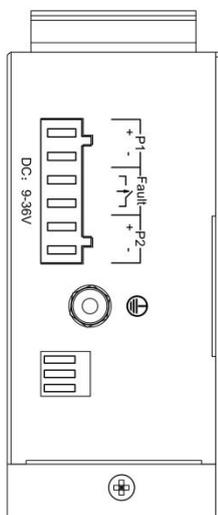
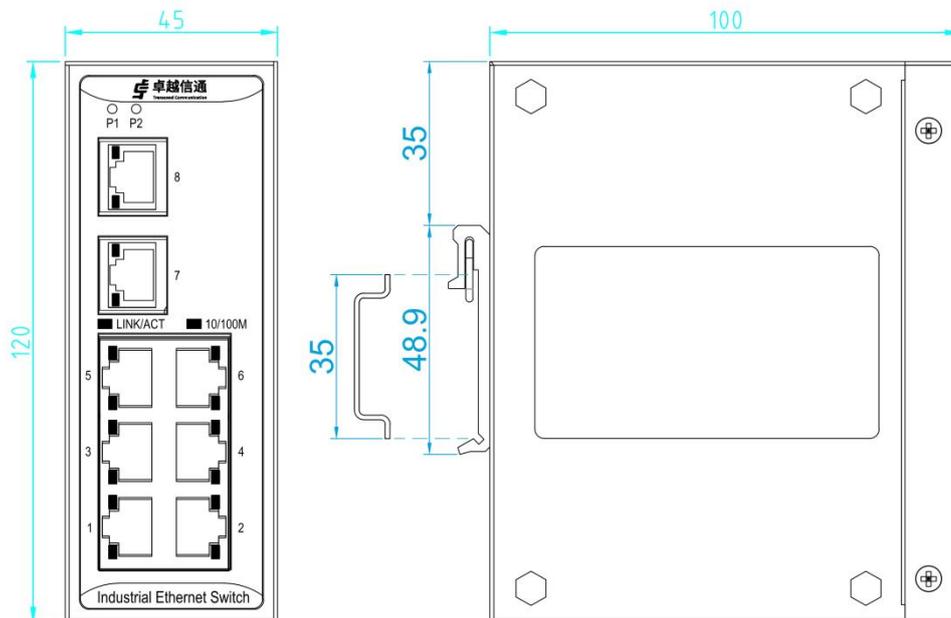
interference and resist vibration and shock. The industrialized fan-free design avoids the trouble points caused by the stop of the fan, the dial-up switch on the device controls the broadcast storm suppression function, the Qos function and the power warning function. When the device has a power failure, it can send an alarm to the Network administrator through the built-in relay warning function, ensure products in a variety of harsh industrial environment long-term stability, reliable, safe use.

Specifications

Compliances	
Standards	IEEE 802.3i(10Base-T) IEEE 802.3u(100Base-TX)
Switch Properties	
Mode	Store and forward
Switching Capacity	1.6Gbps
Forwarding Rate	1.19Mpps
Date buffer	448Kbit
MAC Address	1K
Switching delay	<10μs
Physical port	
Electrical Ports	8 10/100Base-TX ports, RJ45, automatic flow rate control, full/half duplex mode, MDI/MDI-X auto-detection
DIP Switches	Enable/disable: broadcast storm suppression, QoS function and power alarm function
LED Indicator	Power indicator (P1,P2), Interface indicator (Link/ACT, 10/100M)
Mechanical	
Dimensions	45mm×100mm×120mm(W×D×H)
Weight	860g
Installation	DIN-rail mounting, Wall mounting (with optional kit)
Dimensions	IP40, metal cover
Electrical	
Input Voltage	24VDC(9~36VDC) redundant power input, support overload, reverse connection protection, 6-pin 5.08mm pitch terminal block (relay occupies 2 positions)
Alarm port	Support 1-way relay alarm output, terminal
Power	<2.2W

Operating Temperature			
Storage Temperature	-40°C~75°C		
Relative Humidity	5%~95% (Non condensing)		
Operating Temperature	-40°C~85°C		
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	500000 hrs		

Physical Dimensions



Ordering Information

Model	Description
Carat10-D8TX-D2C	<ul style="list-style-type: none"> *Industrial DIN-rail unmanaged fast Ethernet switch *8 x 10/100BaseT(X) ports *9~36VDC redundant power inputs *IP40 protection level

Carat10 Model selection recommendation	
Carat10-D6TX-D2C	*Industrial DIN-rail unmanaged fast Ethernet switch *6 x 10/100BaseT(X) ports *9~36VDC redundant power inputs *IP40 protection level
Carat10-D8TX-D2C	*Industrial DIN-rail unmanaged fast Ethernet switch *8 x 10/100BaseT(X) ports *9~36VDC redundant power inputs *IP40 protection level
Carat10-D2FX6TX-D2C	*Industrial DIN-rail unmanaged fast Ethernet switch *6 x 10/100BaseT(X) ports + 2 x 100BaseFX ports (SFP slots) *9~36VDC redundant power inputs *IP40 protection level
Carat10-D1FX7TX-D2C	*Industrial DIN-rail unmanaged fast Ethernet switch *7 x 10/100BaseT(X) ports + 1 x 100BaseFX ports (SFP slots) *9~36VDC redundant power inputs *IP40 protection level
Carat10-D16TX-D2C	*Industrial DIN-rail unmanaged fast Ethernet switch *16 x 10/100BaseT(X) ports *9~36VDC redundant power inputs *IP40 protection level
Carat10-D2GF16TX-D2C	*Industrial DIN-rail unmanaged fast Ethernet switch *16 x 10/100BaseT(X) ports + 2 x 1000BaseSFP slots *9~36VDC redundant power inputs *IP40 protection level

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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