

Serial Device Server

ICDM-RX/TCP-16RJ45/2RJ45-PM



- Web-based configuration
- RS-232/422/485 software selectable interfaces
- TCP/IP & UDP Socket Services
- Device drivers (Windows and Linux)

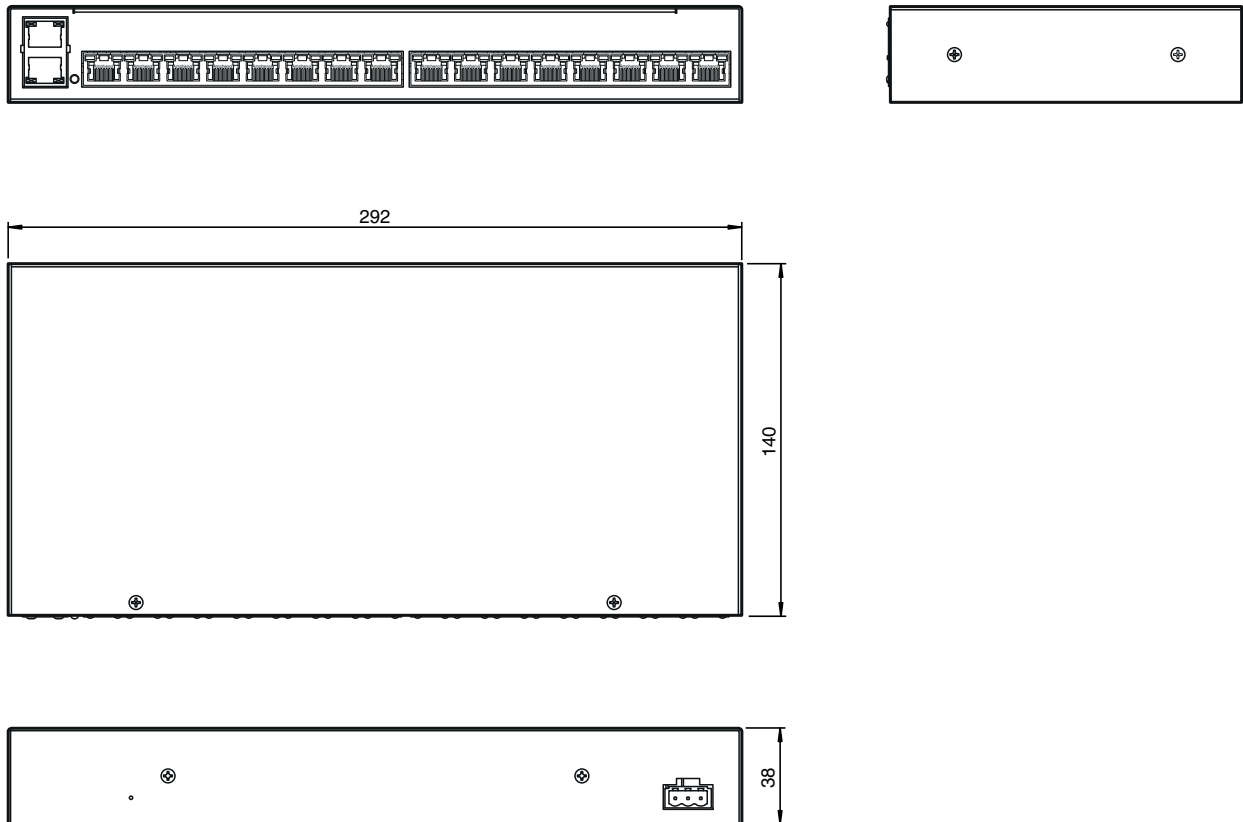
Device Server 16-port panel mount RJ45



Function

The ICDM-RX/TCP product family enables the connection of serial devices (RS-232 / RS-422 / RS-485) using a device driver (Windows or Linux) or Ethernet TCP/IP devices using socket services to an industrial Ethernet network. The integrated webserver enables complete configuration of all module parameters like serial interface, baud rate, parity, data bits, stop bits, or flow control. Products are available in different versions for DB9 or screw terminal connection.

Dimensions



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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

General specifications		
UL File Number		E185802
MTBF		39.1 a
Indicators/operating means		
LED indication		see manual
Electrical specifications		
Rated operating voltage	U _e	9 ... 30 V DC
Nominal voltage		24 V DC
Interface		
Interface type		Software selectable interfaces: RS-232 , RS-422 , RS-485 (2 and 4-wire)
Physical		16 x RJ45
Protocol		Raw serial
Supported baud rates		300 bps to 230Kbps
Interface 1		
Interface type		Industrial Ethernet
Physical		2 x RJ45
Protocol		TCP/IP
Additional protocols		ARP, BOOTP, DHCP/RARP, HTTP, HTTPS, SSH, SSL/TLS, ICMP, RFC 1006 (ISO over TCP), SNMP (MIB-II), TCP/IP & UDP socket services, Telnet, and TFTP, and supports IP multicast data transmission
Transfer rate		10/100 Mbps
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 55032:2015+A11:2020 , EN 55035:2017/A11:2020
RoHS		EN IEC 63000:2018
Standard conformity		
Electrical safety		CSA C22.2 No. 60950 / UL60950
Emitted interference		EN 55032, FCC Part 15 Subpart B, ICES-003, AS/NZS CISPR 32
Noise immunity		EN 55035:2017/A11:2020
Ambient conditions		
Ambient temperature		-40 ... 60 °C (-40 ... 140 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Relative humidity		max. 95 %
Altitude		0 ... 3048 m
Mechanical specifications		
Degree of protection		IP20
Connection		Power Supply: screw terminals Fieldbus: 2 x RJ45 Inputs/outputs: 8 x RJ45
Material		
Housing		steel, black coated
Mass		1.11 kg
Dimensions		
Height		38 mm
Width		140 mm
Length		292 mm
Construction type		Cabinet module
Mounting		Panel

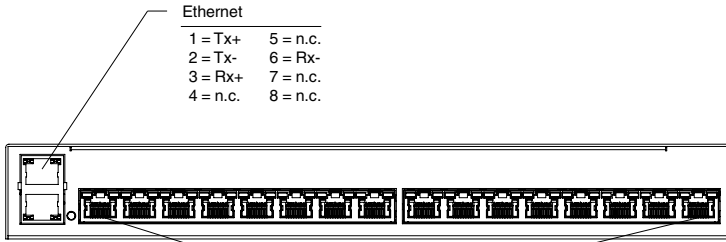
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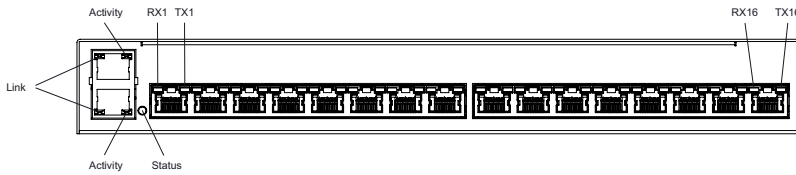
Connection



Serial Ports 1 - 16

Pin	RS-232	RS-422 RS-485 (4-Wire)	RS-485 (2-Wire)
	1	RTS	Not Used
2	DSR	RxD-	Not Used
3	DCD	Not Used	Not Used
4	RxD	RxD+	Not Used
5	TxD	TxD+	TxD/RxD+
6	GND	GND	GND
7	DTR	TxD-	TxD/RxD-
8	CTS	Not Used	Not Used

Indication



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