

Serial Device Server

ICDM-RX/TCP-8DB9/2RJ45-PM



- Web-based configuration
- RS-232/422/485 software selectable interfaces
- NEMA TS2 Certified
- TCP/IP & UDP Socket Services
- Device drivers (Windows and Linux)
- Panel mount with DB9 serial connectors

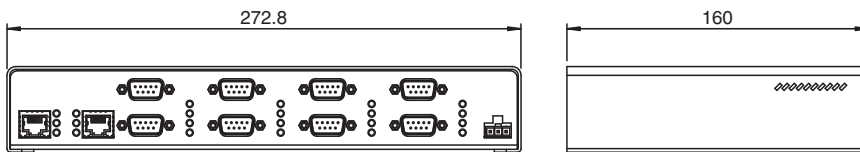
Device Server 8-port panel mount DB9



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



Unit Height = 46.7

Technical Data

General specifications			
UL File Number		E185802	
Functional safety related parameters			
MTBF		31.1 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		8 x DB9	
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	

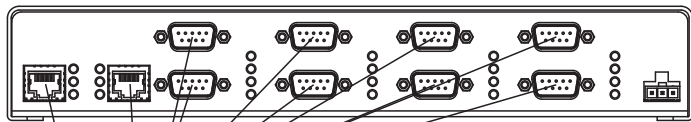
Release date: 2021-03-31 Date of issue: 2021-03-31 Filename: 70114047_eng.pdf

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

Technical Data

Transfer rate	10/100 Mbps
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 55022:2010 , EN 55024
Standard conformity	
Degree of protection	NEMA TS2
Electrical safety	CSA C22.2 No. 60950 / UL60950
Emitted interference	EN 55022, FCC Part 15 Subpart B, ICES-003, AS/NZS CISPR 22
Noise immunity	EN 55024
Ambient conditions	
Ambient temperature	-40 ... 75 °C (-40 ... 167 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Relative humidity	max. 95 %
Altitude	0 ... 3048 m
Mechanical specifications	
Housing length	275 mm
Housing width	160 mm
Housing height	45.7 mm
Degree of protection	IP20
Connection	Power Supply: screw terminals Fieldbus: 2 x RJ45 Inputs/outputs: 8 x DB9
Material	
Housing	steel, black coated
Mass	1.63kg
Construction type	Cabinet module
Mounting	Panel

Wiring Diagram

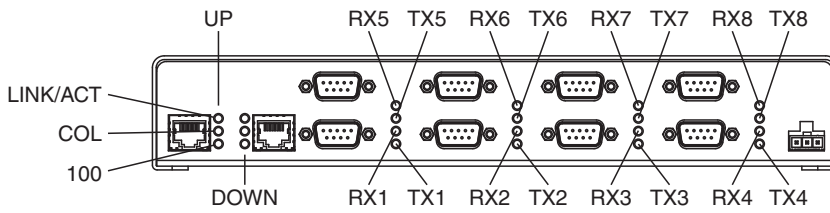


- DB9 Connectors**
- | | | |
|---------|---------------|-------------|
| RS-232 | RS-422/RS-485 | RS-485 |
| | Full Duplex | Half Duplex |
| 1 = DCD | 1 = n.c. | 1 = n.c. |
| 2 = RxD | 2 = RxD- | 2 = n.c. |
| 3 = TxD | 3 = TxD- | 3 = TRxD- |
| 4 = DTR | 4 = n.c. | 4 = n.c. |
| 5 = GND | 5 = GND | 5 = GND |
| 6 = DSR | 6 = n.c. | 6 = n.c. |
| 7 = RTS | 7 = TxD+ | 7 = TRxD+ |
| 8 = CTS | 8 = RxD+ | 8 = n.c. |
| 9 = RI | 9 = n.c. | 9 = n.c. |
-
- Ethernet**
- | | |
|----------|----------|
| 1 = Tx+ | 5 = n.c. |
| 2 = Tx- | 6 = Rx- |
| 3 = Rx+ | 7 = n.c. |
| 4 = n.c. | 8 = n.c. |








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Assembly



Accessories

	V45-G-C5-GN1M-PUR-E1S	Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN3M-PUR-E1S	Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN10M-PUR-E1S	Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN1M-PUR-E1S-V45-G	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN3M-PUR-E1S-V45-G	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN10M-PUR-E1S-V45-G	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN20M-PUR-E1S-V45-G	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable

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