

# Serial Device Server

## ICDM-RX/TCP-4DB9/2RJ45-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

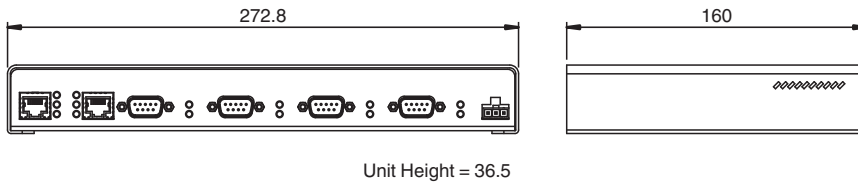
Device Server 4-port panel mount DB9



### 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



### Technical Data

General specifications	
UL File Number	E185802
MTBF	35.5 a
Indicators/operating means	
LED indication	see manual
Electrical specifications	
Rated operating voltage	U <sub>e</sub> 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	4 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
Transfer rate	10/100 Mbps
Directive conformity	

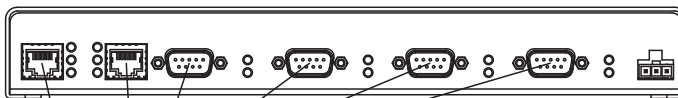
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

## Technical Data

<b>Electromagnetic compatibility</b>	
Directive 2014/30/EU	EN 55032:2015+A11:2020 , EN 55035:2017/A11:2020
RoHS	EN IEC 63000:2018
<b>Standard conformity</b>	
Degree of protection	NEMA TS2
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
<b>Ambient conditions</b>	
Ambient temperature	-40 ... 75 °C (-40 ... 167 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Relative humidity	max. 95 %
Altitude	0 ... 3048 m
<b>Mechanical specifications</b>	
Degree of protection	IP20
Connection	Power Supply: screw terminals Fieldbus: 2 x RJ45 Inputs/outputs: 4 x DB9
<b>Material</b>	
Housing	steel, black coated
Mass	1.5kg
<b>Dimensions</b>	
Height	38.1 mm
Width	160 mm
Length	275 mm
Construction type	Cabinet module
Mounting	Panel

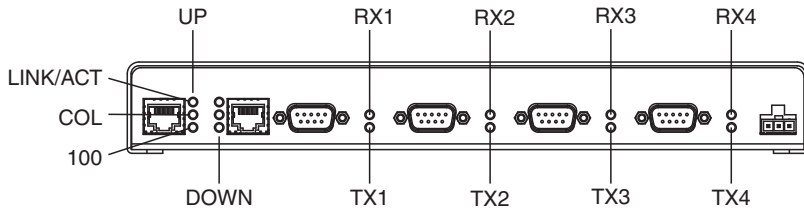
## Connection



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



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Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

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