

# Serial Device Server

## ICDM-RX/TCP-16DB9/RJ45-RM



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

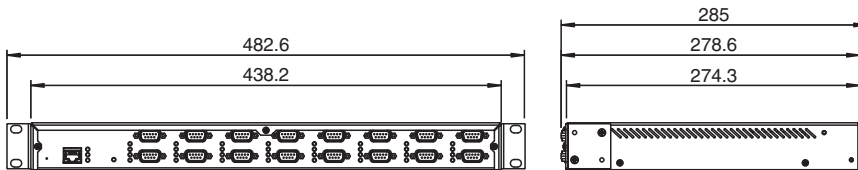
Device Server 16-port rack mount DB9



### 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 = 43.7

### Technical Data

<b>General specifications</b>	
UL File Number	E185802
<b>Functional safety related parameters</b>	
MTBF	15.5 a
<b>Indicators/operating means</b>	
LED indication	see manual
<b>Electrical specifications</b>	
Rated operating voltage	U <sub>e</sub> 90 ... 260 V AC
<b>Interface</b>	
Interface type	Software selectable interfaces: RS-232 , RS-422 , RS-485 (2 and 4-wire)
Physical	16 x DB9
Protocol	Raw serial
Supported baud rates	300 bps to 230Kbps
<b>Interface 1</b>	
Interface type	Industrial Ethernet
Physical	1 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

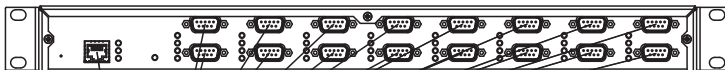
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

## Technical Data

Transfer rate	10/100 Mbps
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 55032:2015+A11:2020 , EN 55035:2017/A11:2020
Low voltage	
Directive 2014/35/EU	EN 62368-1:2014
RoHS	EN IEC 63000:2018
<b>Standard conformity</b>	
Electrical safety	EN 62368-1:2014-08
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	Internal power supply: US and EURO cords Fieldbus: 1 x RJ45 Inputs/outputs: 16 x DB9
Material	
Housing	steel, black coated
Mass	2.9kg
Dimensions	
Height	44.2 mm
Width	275.3 mm
Length	438.2 mm
Construction type	Cabinet module
Mounting	Rack mount

## Connection

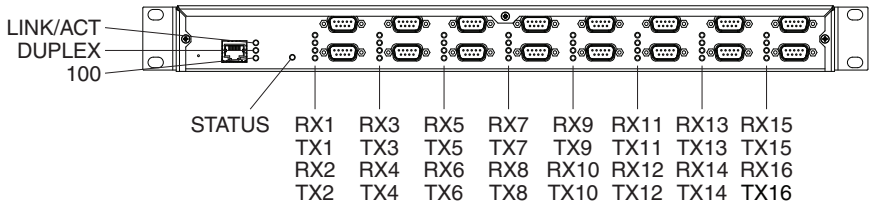


DB9 Connectors		
RS-232	RS-422/RS-485 Full Duplex	RS-485 Half Duplex
1 = DCD	1 = n.c.	1 = n.c.
2 = RxD	2 = RxD-	2 = n.c.
3 = TxD	3 = TxD-	3 = TRxD-
4 = DTR	4 = n.c.	4 = n.c.
5 = GND	5 = GND	5 = GND
6 = DSR	6 = n.c.	6 = n.c.
7 = RTS	7 = TxD+	7 = TRxD+
8 = CTS	8 = RxD+	8 = n.c.
9 = RI	9 = n.c.	9 = n.c.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