

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

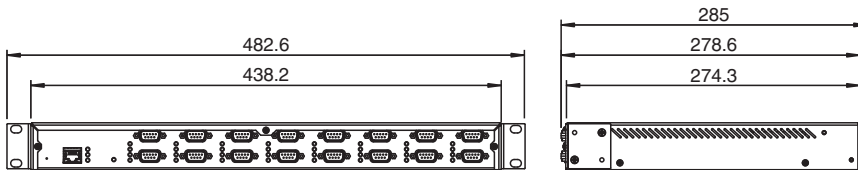
Device Server 16-port rack mount DB9



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

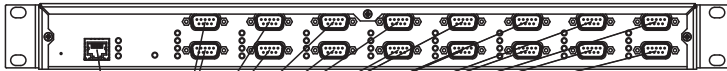
General specifications			
UL File Number		E185802	
Functional safety related parameters			
MTBF		15.5 a	
Indicators/operating means			
LED indication		see manual	
Electrical specifications			
Rated operating voltage	U _e	90 ... 260 V AC	
Surge protection		15 KV / 200 A for 1 ns	
Interface			
Interface 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	
Interface 1			
Interface type		Industrial Ethernet	
Physical		1 x RJ45	
Protocol		TCP/IP	

Release date: 2024-10-01 Date of issue: 2024-10-01 Filename: 70114049_eng.pdf

Technical Data

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
Low voltage	
Directive 2014/35/EU	EN 62368-1:2014
RoHS	EN IEC 63000:2018
Standard conformity	
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
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	
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.

Assembly

