

Modbus Gateway

ICDM-RX/MOD-4DB9/2RJ45-DIN

- DIN-rail mounting and DB9 serial connector
- Pure Modbus, multiple Modbus server and client types, remote, local, and private devices
- RS-232/422/485 software selectable interfaces
- Web-based configuration
- NEMA TS2 Certified

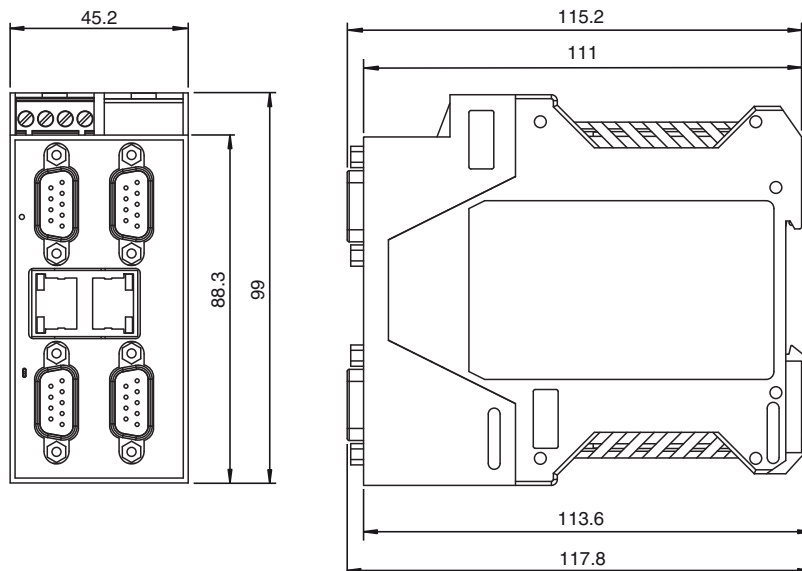
Modbus Gateway 4-port DIN Rail DB9



Function

The ICDM-RX/MOD product family provides an innovative network-wide Modbus connectivity from a wide variety of Modbus gateways to a wide variety of local and remote Modbus clients. Advanced features include gateway-to-gateway communication, private serial bus connectivity, write protection, and device ID aliasing. With simplified configuration pages and advanced routing, it provides unmatched Modbus connectivity. The integrated webserver enables complete configuration of all module parameters like serial interface, baud rate, 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	E360395
MTBF	42.3 a

Indicators/operating means

Release date: 2024-04-25 Date of issue: 2024-04-25 Filename: 70104884_eng.pdf

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

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

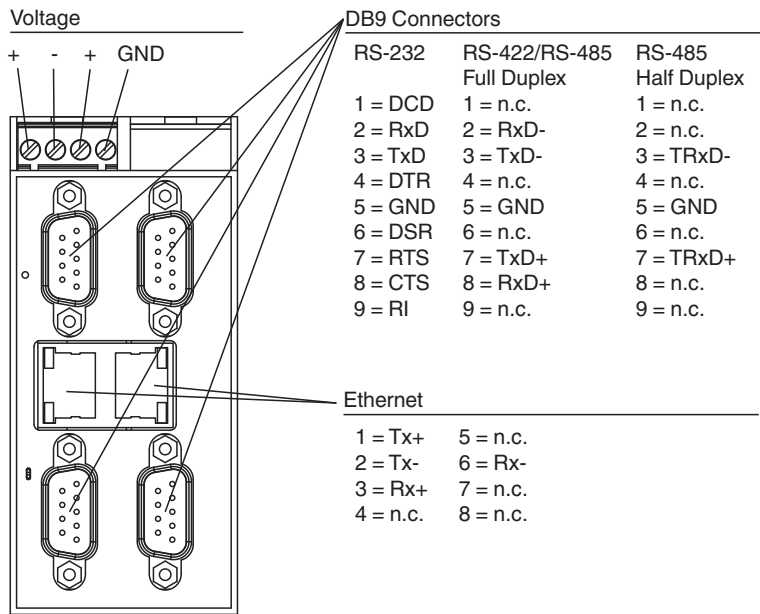
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

LED indication		see manual
Electrical specifications		
Rated operating voltage	U _e	5 ... 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		MODBUS RTU
Supported baud rates		300 bps to 230Kbps
Interface 1		
Interface type		Industrial Ethernet
Physical		2 x RJ45
Protocol		MODBUS 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 61000-6-2:2005 , EN 610006-4:2007 , EN 610006-4/A1:2011
RoHS		EN IEC 63000:2018
Standard conformity		
Degree of protection		NEMA TS2
Electrical safety		CSA C22.2 No. 61010-1-12 / CSA C22.2 No. 61010-1-201 UL 61010-1 / UL 61010-1-201
Emitted interference		EN 61000-6-4, EN 55032, FCC Part 15 Subpart B, ICES-003, AS/NZS CISPR 32
Noise immunity		EN 61000-6-2
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		Power Supply: screw terminals Fieldbus: 2 x RJ45 Inputs/outputs: 4 x DB9
Material		
Housing		Polyamide, UL94V-0
Mass		204g
Dimensions		
Height		99.1 mm
Width		45.7 mm
Length		116.8 mm
Construction type		Cabinet module
Mounting		DIN mounting rail

Connection



Assembly

