



# EtherNet/IP Gateway

## ICDM-RX/EN-DB9/RJ45-PM

- Panel mounting and DB9 serial connector
- EtherNet/IP to serial and Ethernet TCP/IP raw/ASCII devices.
- RS-232/422/485 software selectable interfaces
- Web-based configuration

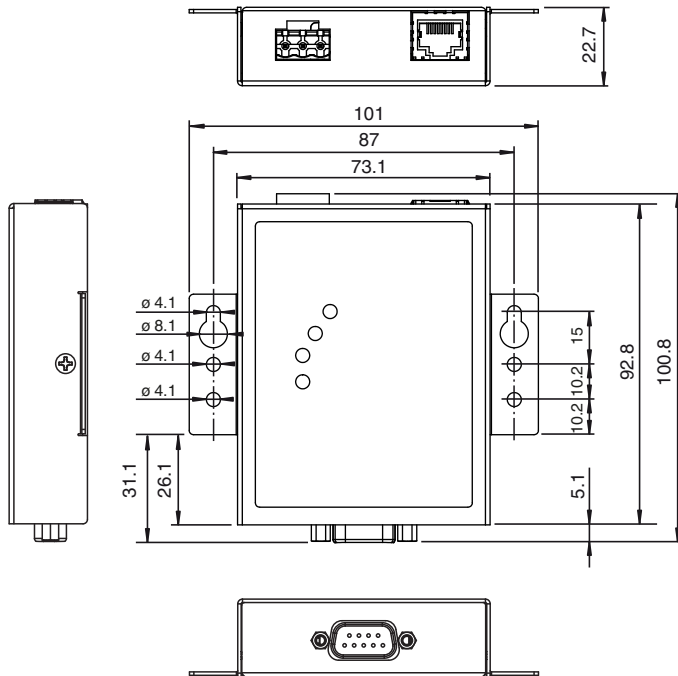
EtherNet/IP 1-port panel mount DB9



### Function

The ICDM-RX/EN product family enables the connection of serial devices (RS-232 / RS-422 / RS-485) or Ethernet TCP/IP devices to an Industrial EtherNet/IP network. Highly advanced raw/ASCII device interface functionality simplifies PLC programming and ensures robust operation. These features greatly simplify connecting devices such as barcode scanners, RFID readers, weigh scales, vision systems, printers, encoders, and sensors to PLCs. The integrated webserver enables complete configuration of all module parameters like serial interface, baud rate, parity, data bits, stop bits, flow control, or delimiting characters. Products are available in different versions for DB9 or screw terminal connection.

### Dimensions



### Technical Data

General specifications	
UL File Number	E185802
MTBF	48.4 a
Indicators/operating means	

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

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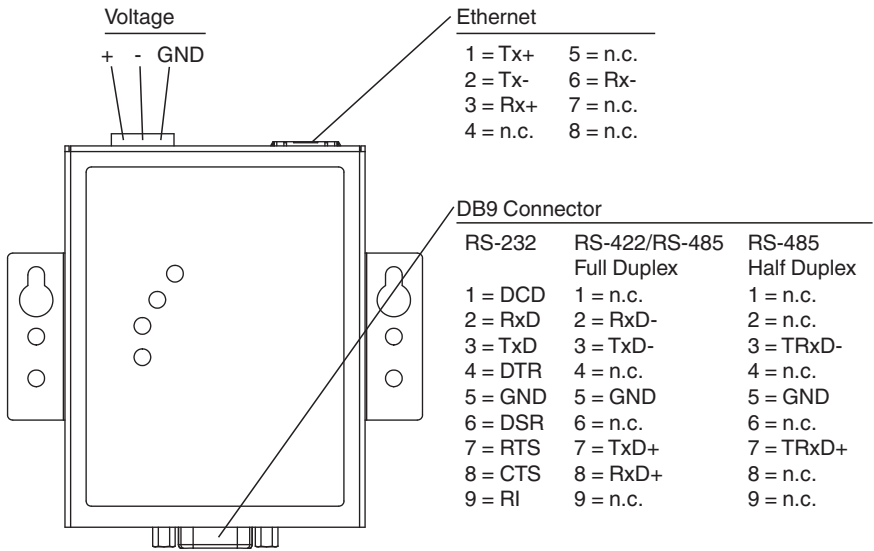
**PF** PEPPERL+FUCHS

## Technical Data

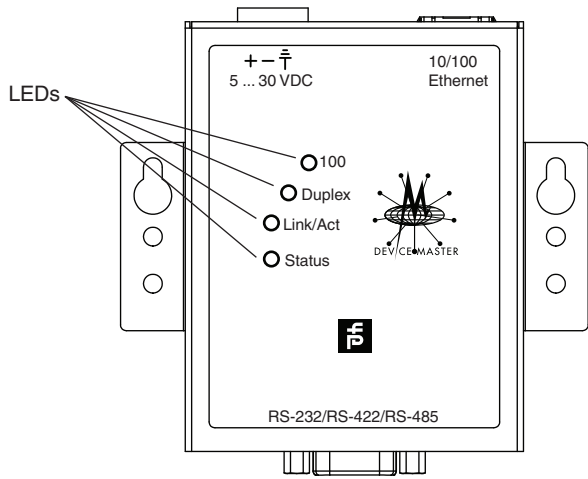
LED indication		see manual
<b>Electrical specifications</b>		
Rated operating voltage	U <sub>e</sub>	5 ... 30 V DC
Nominal voltage		24 V DC
<b>Interface</b>		
Interface type		Software selectable interfaces: RS-232 , RS-422 , RS-485 (2 and 4-wire)
Physical		1 x DB9
Protocol		Raw serial
Supported baud rates		300 bps to 230Kbps
<b>Interface 1</b>		
Interface type		Industrial Ethernet
Physical		1 x RJ45
Protocol		EtherNet/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
<b>Directive conformity</b>		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 61000-6-2:2005 , EN 61000-6-4:2007 + A1:2011
RoHS		EN IEC 63000:2018
<b>Standard conformity</b>		
Electrical safety		CSA C22.2 No. 60950 / CSA C22.2 No. 60950/UL60950
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
<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: pluggable screw terminal Fieldbus: 1 x RJ45 Inputs/outputs: 1 x DB9
<b>Material</b>		
Housing		stainless steel
Mass		220g
<b>Dimensions</b>		
Height		71.1 mm
Width		20.3 mm
Length		91.4 mm
Construction type		Cabinet module
Mounting		panel mount

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Connection



Indication



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