



PROFINET IO Gateway

ICDM-RX/PN-DB9/RJ45-PM

- Panel mounting and DB9 connector
- PROFINET IO: connect serial and Ethernet TCP/IP devices to PROFINET IO controllers and TCP/IP applications
- RS-232/422/485 software selectable interfaces
- Web-based configuration

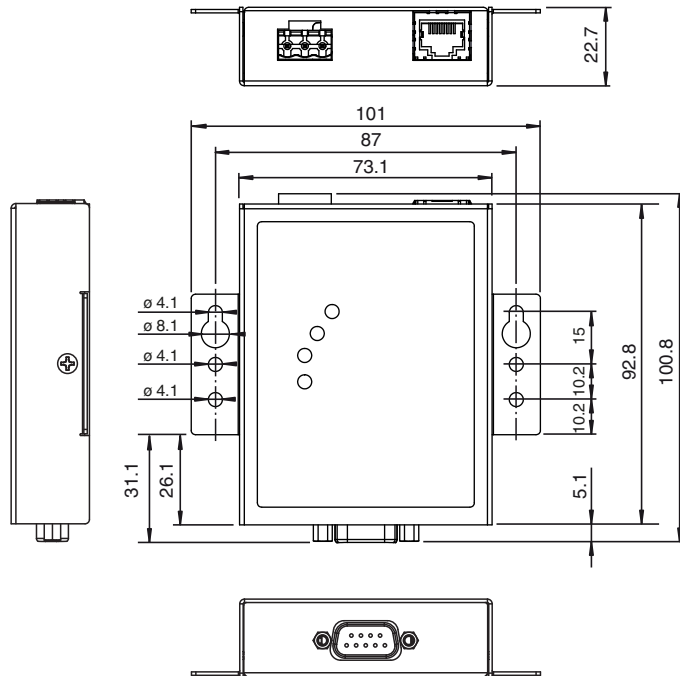
PROFINET IO Gateway 1-port panel mount DB9



Function

The ICDM-RX/PN product family enables connection of serial devices (RS-232 / RS-422 / RS-485) or Ethernet TCP/IP devices to an Industrial PROFINET IO 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, 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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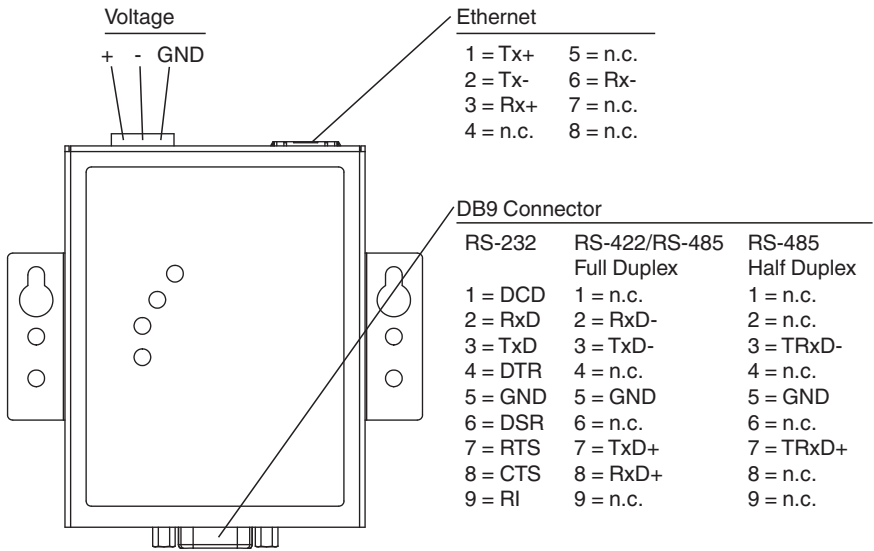
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Technical Data

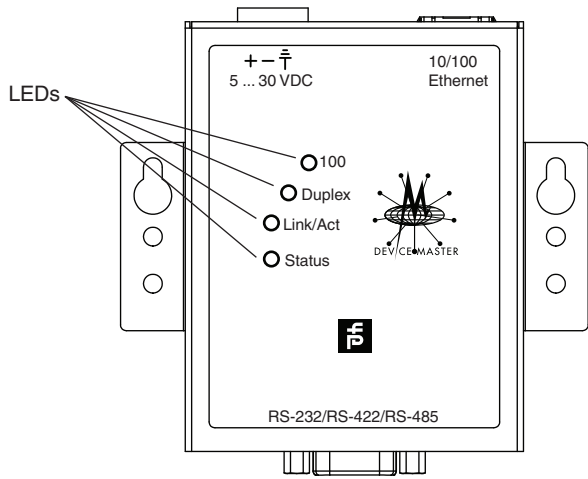
| | | |
|----------------------------------|----------------|---|
| LED indication | | see manual |
| Electrical specifications | | |
| Rated operating voltage | U _e | 5 ... 30 V DC |
| Nominal voltage | | 24 V DC |
| Interface | | |
| Interface type | | Software selectable interfaces: RS-232 , RS-422 , RS-485 (2 and 4-wire) |
| Physical | | 1 x DB9 |
| Protocol | | Raw serial |
| Supported baud rates | | 300 bps to 230Kbps |
| Interface 1 | | |
| Interface type | | Industrial Ethernet |
| Physical | | 1 x RJ45 |
| Protocol | | PROFINET IO |
| 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 61000-6-4:2007 + A1:2011 |
| RoHS | | EN IEC 63000:2018 |
| Standard conformity | | |
| 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 |
| 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: pluggable screw terminal Fieldbus: 1 x RJ45 Inputs/outputs: 1 x DB9 |
| Material | | |
| Housing | | stainless steel |
| Mass | | 220g |
| Dimensions | | |
| 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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