

# Serial Device Server

## ICDM-RX/TCP-16RJ45/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 RJ45 serial connectors

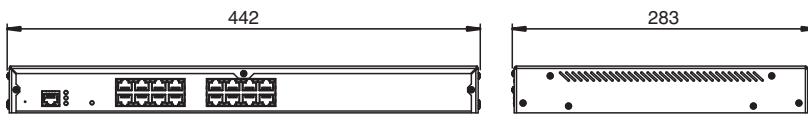
Device Server 16-port rack mount RJ45



### 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 <sub>e</sub> 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 RJ45                                                                                                                                                                                  |
| Protocol                             |  | Raw serial                                                                                                                                                                                 |
| Supported baud rates                 |  | 300 bps to 230Kbps                                                                                                                                                                         |
| Interface 1                          |  |                                                                                                                                                                                            |
| 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 |
| Transfer rate                        |  | 10/100 Mbps                                                                                                                                                                                |

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

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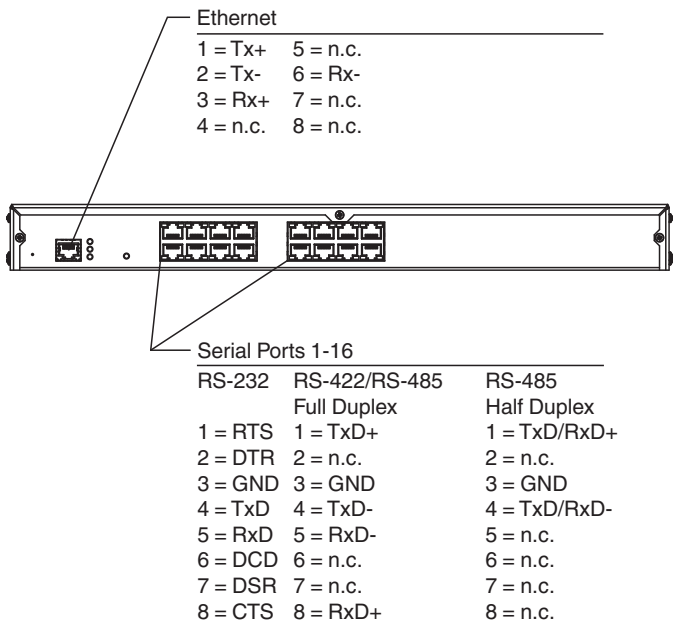
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Technical Data

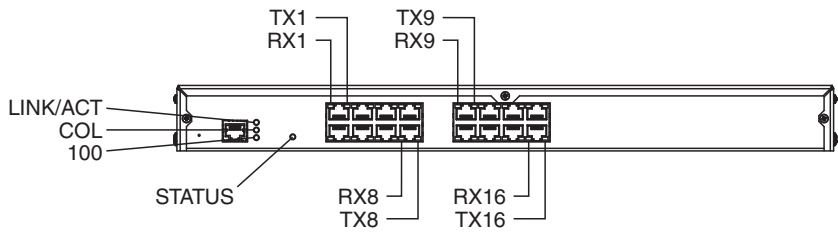
|                                  |  |                                                                                             |
|----------------------------------|--|---------------------------------------------------------------------------------------------|
| <b>Directive conformity</b>      |  |                                                                                             |
| 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<br>Fieldbus: 1 x RJ45<br>Inputs/outputs: 16 x RJ45 |
| Material                         |  |                                                                                             |
| Housing                          |  | steel, black coated                                                                         |
| Mass                             |  | 2.83kg                                                                                      |
| <b>Dimensions</b>                |  |                                                                                             |
| Height                           |  | 44.2 mm                                                                                     |
| Width                            |  | 273.4 mm                                                                                    |
| Length                           |  | 438.2 mm                                                                                    |
| Construction type                |  | Cabinet module                                                                              |
| Mounting                         |  | Rack mount                                                                                  |

Connection



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Indication



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