



# Serial Device Server

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

- Panel mounting and DB9 connector
- RS-232/422/485 software selectable interfaces
- Web-based configuration
- TCP/IP & UDP Socket Services
- Device drivers (Windows and Linux)

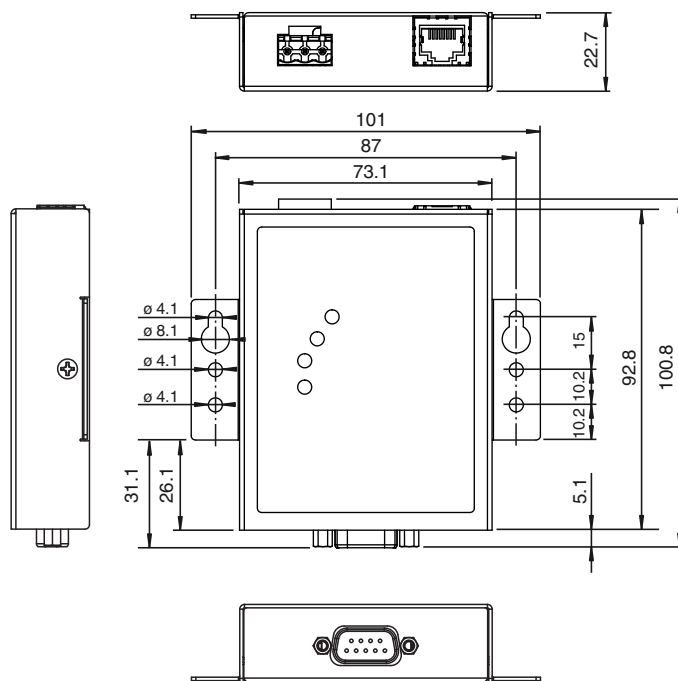
### Serial Device Server 1-port Panel Mount DB9



### 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



### Technical Data

#### General specifications

UL File Number E185802

#### Functional safety related parameters

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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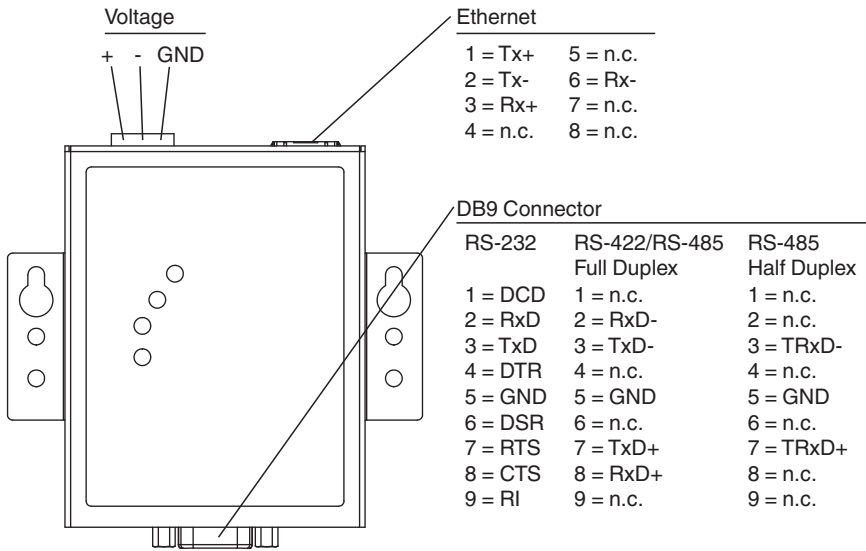
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## Technical Data

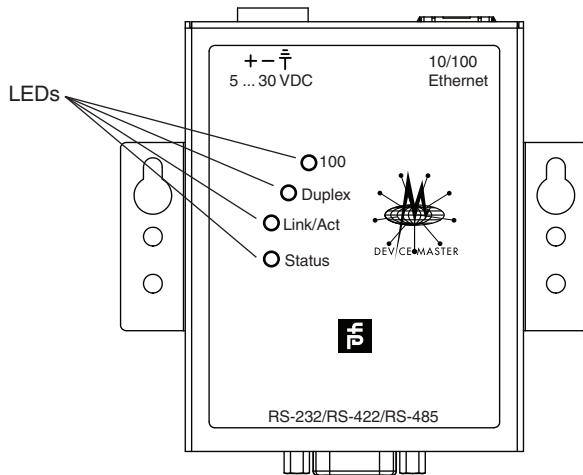
LED indication	see manual	
<b>Electrical specifications</b>		
Rated operating voltage	U <sub>e</sub>	5 ... 30 V DC
Nominal voltage		24 V DC
<b>Interface</b>		
Interface type		Software selectable interfaces: RS-232 RS-422 RS-485 2-wire
Physical		1 x DB9
Protocol		Raw serial
Supported baud rates		300 bps to 230Kbps
<b>Interface 1</b>		
Interface type		Industrial Ethernet
Physical		1 x RJ45
Protocol		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
<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>		
Housing length		91.4 mm
Housing width		20.3 mm
Housing height		71.1 mm
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
Construction type		Cabinet module
Mounting		panel mount

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Connection



Indication



Accessories

	<b>V45-G-C5-GN1M-PUR-E1S</b>	Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	<b>V45-G-C5-GN3M-PUR-E1S</b>	Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	<b>V45-G-C5-GN10M-PUR-E1S</b>	Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	<b>V45-G-C5-GN1M-PUR-E1S-V45-G</b>	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	<b>V45-G-C5-GN3M-PUR-E1S-V45-G</b>	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	<b>V45-G-C5-GN10M-PUR-E1S-V45-G</b>	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	<b>V45-G-C5-GN20M-PUR-E1S-V45-G</b>	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable

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