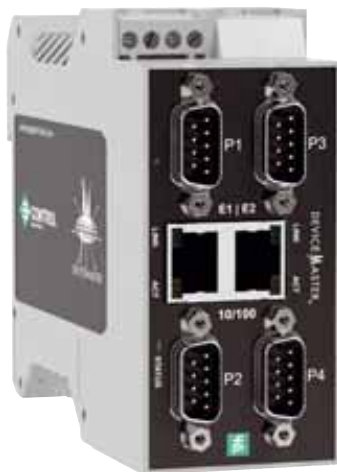




Model number

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

PROFINET IO Gateway 4-port DIN Rail DB9

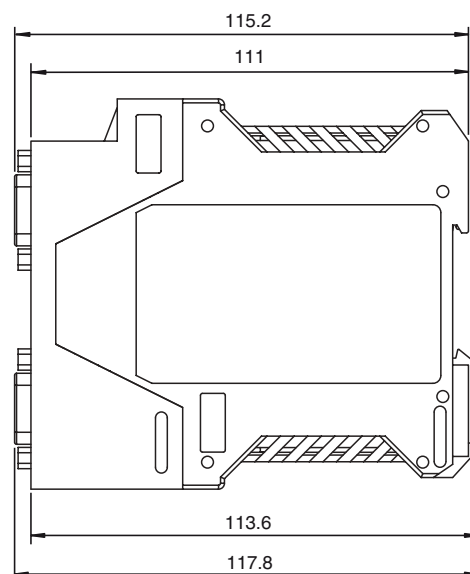
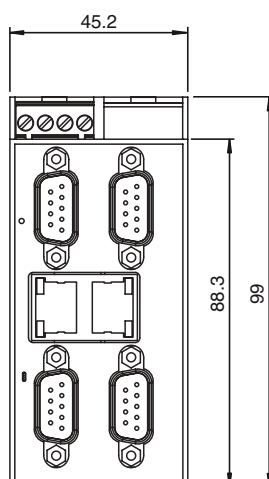
Features

- DIN-rail mounting and DB9 serial 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
- NEMA TS2 Certified

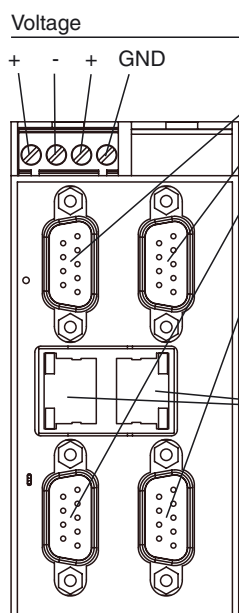
Function

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



Electrical connection



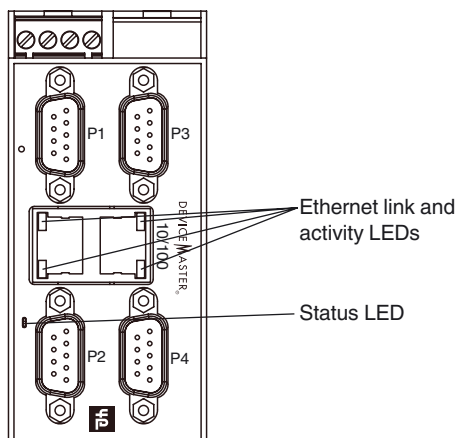
DB9 Connectors

RS-232	RS-422/RS-485 Full Duplex	RS-232 Half Duplex
1 = DCD	1 = n.c.	1 = n.c.
2 = RxD	2 = RxD-	2 = n.c.
3 = TxD	3 = TxD-	3 = TRxD-
4 = DTR	4 = n.c.	4 = n.c.
5 = GND	5 = GND	5 = GND
6 = DSR	6 = n.c.	6 = n.c.
7 = RTS	7 = TxD+	7 = TRxD+
8 = CTS	8 = RxD+	8 = n.c.
9 = RI	9 = n.c.	9 = n.c.

Ethernet

1 = Tx+	5 = n.c.
2 = Tx-	6 = Rx-
3 = Rx+	7 = n.c.
4 = n.c.	8 = n.c.

Indicating / Operating means



Technical data

General specifications

UL File Number	E360395
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Indicators/operating means

LED indication	see manual
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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)
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Physical	4 x DB9
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Protocol	Raw serial
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Supported baud rates	300 bps to 230Kbps
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Interface 1

Interface type	Industrial Ethernet
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Physical	2 x RJ45
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Protocol	PROFINET IO
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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
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Transfer rate	10/100 Mbps
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Directive conformity

Electromagnetic compatibility	
Directive 2014/30/EU	EN 61000-6-2, EN 55024, EN 61000-6-4, EN 55032

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, EN 55024

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

Connection	Power Supply: screw terminals Fieldbus: 2 x RJ45 Inputs/outputs: 4 x DB9
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Material	
Housing	Polyamide, UL94V-0

Mass	204g
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Construction type	Cabinet module
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Mounting	DIN mounting rail
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Accessories

V45-G-C5-GN1M-PUR-E1S

Ethernet bus cable male cordset single-ended RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded

V45-G-C5-GN3M-PUR-E1S

Ethernet bus cable male cordset single-ended RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded

V45-G-C5-GN10M-PUR-E1S

Ethernet bus cable male cordset single-ended RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded

V45-G-C5-GN1M-PUR-E1S-V45-G

Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded

V45-G-C5-GN3M-PUR-E1S-V45-G

Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded

V45-G-C5-GN10M-PUR-E1S-V45-G

Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded

V45-G-C5-GN20M-PUR-E1S-V45-G

Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded