

Industrial Ethernet IE-GWT-MB-2TX-1RS232/485

Weidmüller Interface GmbH & Co. KG
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Product image



- RTU slave mode for communication between up to 16 TCP masters and 31 serial slaves
- RTU master mode for communication between 1 serial master and up to 31 TCP slaves
- Integrated Modbus protocol analysis
- Redundant DC power supply inputs
- Integrated 2-port switch for setting up a linear topology

General ordering data

Type	IE-GWT-MB-2TX-1RS232/485
Order No.	1504470000
Version	Modbus TCP/Modbus Seriell Gateway, 2x RJ45, 1x DB9 for RS-232, 1x terminal block for RS-422/485, IP30, -40 °C...75 °C
GTIN (EAN)	4050118312287
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	29 mm	Width (inches)	1.142 inch
Height	124.5 mm	Height (inches)	4.902 inch
Depth	89.2 mm	Depth (inches)	3.512 inch
Net weight	190 g		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Serial interface

Connection type	1 removable 7-pole terminal block
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EMC conformity and approvals

EMC standards	FCC Part 15 Subpart B Class A, EN 55022 Class A, EN 61000-4-2 (ESD), Stage 3, EN 61000-4-3 (RS), Stage 3, EN 61000-4-4 (EFT), level 4, EN 61000-4-5 (Surge), Stage 3, EN 61000-4-6 (CS), Stage 3, EN 61000-4-8, EN 61000-4-11	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D
Free fall	according to IEC 60068-2-32	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

Environmental conditions

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	75 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Guarantee

Time interval	5 years
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Interfaces

Ethernet ports	2	Magnetic isolation protection	1.5 kV built-in
RJ45 ports	10/100BaseT(X), Auto MDI/MDI-X port	Serial port	DB9 RS-232, Terminal block for RS-422/485
Serial ports	1		

MTBF

MTBF	210,794 hrs	MTBF	Telcordia (Bellcore), GB
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Power supply

Connection type	1 removable 7-pole terminal block	Current consumption	435 mA
Supply voltage, max	48 V DC	Supply voltage, min.	12 V DC
Voltage supply	24 V DC, 2 redundant inputs		

Serial communication parameters

Data bits	7, 8	Flow control	RTS/CTS and DTR/DSR (RS-232)
Parity	none, straight, odd, Space, Mark	Stop bits	1, 2

Serial signals

RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND	RS-422	TxD+, TxD-, RxD+, RxD-, GND
RS-485 2-wire	Data+, Data-, GND	RS-485 4-wire	TxD+, TxD-, RxD+, RxD-, GND

Technical data

Housing main material	Plastic	Protection degree	IP30
Type of mounting	Rail		

Technology

Flow control	RTS/CTS and DTR/DSR (RS-232)
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Software

Additional features	Serial Redirection, Priority Control	Configuration options	Web console, serial console, Telnet console, Windows utility
Configuration tool	Modbus Gateway Administrator for Windows 98/ME/NT/2000, Windows XP/2003/Vista/2008/7/8 x86/x64	Multi-master and multi-drop	Master Modus: 32 TCP slaves, Slave Modus: 16 TCP master
Operating modes	RTU Slave, RTU Master, ASCII Slave, ASCII Master		

Classifications

ETIM 5.0	EC000734	ETIM 6.0	EC000734
eClass 6.2	19-17-01-06	eClass 7.1	19-17-01-06
eClass 8.1	19-17-01-06	eClass 9.0	19-17-01-06
eClass 9.1	19-17-01-06		

Data sheet

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
Brochure/Catalogue	CAT 9 IETH 15/16 EN
Engineering Data	EPLAN_WSCAD
Engineering Data	STEP
Software	Modbus Gateway Administrator Firmware Version 1.0
User Documentation	Hardware Installation Guide Manual