

IE-GW-MB-2TX-1RS232/485**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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

Version	Modbus TCP/Modbus Seriell Gateway, 2x RJ45, 1x DB9 for RS-232, 1x terminal block for RS-422/485, IP30, 0 °C...60 °C
Order No.	1504460000
Type	IE-GW-MB-2TX-1RS232/485
GTIN (EAN)	4050118312423
Qty.	1 pc(s).

Creation date March 24, 2021 3:20:23 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

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

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	0 °C...60 °C
Humidity	5 to 95 % (non-condensing)		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Serial interface

Baud rate	50 bit/s to 921.6 kbit/s	Connection type	1 DB9 male, 1 removable 5-pole terminal block
Interface standards	RS-232/422/485	RS485 data direction control	ADDC® (automatic data direction control)
Serial cable protection	15 KV ESD protection for all signals		

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	Safety standard	UL 508, UL 60950-1, EN 60950-1
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.	60 °C
Operating temperature, min.	0 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Guarantee

Time interval	5 years
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Interfaces

Ethernet ports	2	Interface standards	RS-232/422/485
Magnetic isolation protection	1.5 kV built-in	RJ45 ports	10/100BaseT(X), Auto MDI/MDI-X port
RS485 data direction control	ADDC® (automatic data direction control)	Serial cable protection	15 kV ESD protection for all signals
Serial port	DB9 RS-232, Terminal block for RS-422/485	Serial ports	1

MTBF

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

Connection type	1 removable 7-pole terminal block	
Current consumption	Voltage	12 V DC
	Current	0.435 A
	Voltage	24 V DC
	Current	0.218 A
	Voltage	48 V DC
	Current	0.109 A
Supply voltage, max.	48 V DC	
Supply voltage, min.	12 V DC	
Voltage supply	24 V DC, 2 redundant inputs	

Serial communication parameters

Baud rate	50 bit/s to 921.6 kbit/s	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

RS232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND	RS422	TxD+, TxD-, RxD+, RxD-, GND
RS485 2-wire	Data+, Data-, GND	RS485 4-wire	TxD+, TxD-, RxD+, RxD-, GND

Technical data

Housing main material	Plastic	Protection degree	IP30
Type of mounting	DIN 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 6.0	EC000734	ETIM 7.0	EC000734
ECLASS 9.0	19-17-01-06	ECLASS 9.1	19-17-01-06
ECLASS 10.0	19-17-04-02	ECLASS 11.0	19-17-04-02

Approvals

Approvals



ROHS	Conform
UL File Number Search	E230683

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
Software	Modbus Gateway Administrator Firmware Version 1.0
User Documentation	Hardware Installation Guide Manual