IE-GWT-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, -40 °C...75 °C
Order No.	1504470000
Type	IE-GWT-MB-2TX-1RS232/485
GTIN (EAN)	4050118312287
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-02-01
Alternative product	2682600000

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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
Width	29 mm	Width (inches)	1.142 inch
Net weight	190 g		

Temperatures

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

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.	75 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Guarantee

Time interval	5 years

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

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MTBF

MTBF	According to Standard	Telcordia (Bellcore), GB
	Operating time (hours), min.	210,794 h

Power supply

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

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		

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
ETIM 8.0	EC000734	ETIM 9.0	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
ECLASS 12.0	19-17-04-02	ECLASS 13.0	19170402

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Technical data

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E230683
Certificate no. (cULusEX)	E223527

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
Engineering Data	CAD data – STEP
Product Change Notification	Firmware Release Notes Modbus Gateway Administrator Release Notes
Software	Modbus Gateway Administrator Firmware – Current Firmware
User Documentation	Hardware Installation Guide Manual 20220407 Security Advisory - Multiple vulnerabilities in Modbus TCP/RTU Gateways
Catalogues	Catalogues in PDF-format
Brochures	