

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
Order No.	1504460000
Type	IE-GW-MB-2TX-1RS232/485
GTIN (EAN)	4050118312423
Qty.	1 items
Delivery status	Discontinued
Available until	2022-02-01T00:00:00+01:00
Alternative product	IE-CS-MBGW-2TX-1COM

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Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	89.2	Depth (inches)	3.5118 inch
Height	124.5 mm	Height (inches)	4.9016 inch
Width	29 mm	Width (inches)	1.1417 inch
Net weight	190 g		

Temperatures

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

Environmental Product Compliance

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

General specifications

Protection degree	IP30
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Enclosure material

Housing main material	Plastic
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Serial interface

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

EMC conformity and approvals

Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D	Free fall	According to IEC 60068-2-32
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	Vibration	according to IEC 60068-2-6

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	3, EN 61000-4-8, EN 61000-4-11		
Shock	according to IEC 60068-2-27	Safety standard	UL 508, UL 60950-1, EN 60950-1

Environmental conditions

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

Guarantee

Time interval	5 years
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Interfaces

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

MTBF

MTBF	According to Standard	Telcordia (Bellcore), GB
	Operating time (hours), min.	210794 h

Management features

Operating modes	RTU Slave, RTU Master, ASCII Slave, ASCII Master
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Power supply

Supply voltage	24 V DC, 2 redundant inputs	
Connection type	1 removable 7-pole terminal block	
Voltage supply range	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	48 V
Current consumption	Voltage	12 V
	Current	0.43 A
	Voltage	24 V
	Current	0.22 A
	Voltage	48 V
	Current	0.11 A

Serial communication parameters

Flow control	RTS/CTS and DTR/DSR (RS-232)	Baud rate	50 bit/s to 921.6 kbit/s
Parity	none, straight, odd, Space, Mark	Stop bits	1, 2
Data bits	7, 8		

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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	Type of mounting	DIN rail
Protection degree	IP30		

Technology

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

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

Classifications

ETIM 8.0	EC000734	ETIM 9.0	EC000734
ETIM 10.0	EC000734	ECLASS 14.0	19-17-04-02
ECLASS 15.0	19-17-04-02		