

IE-CS-MBGW-2TX-1COM**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Serial/Ethernet converter and Modbus TCP/RTU protocol gateway**

- Integrated 2-port switch for line topology without need for additional switch
- Device server and modbus protocol gateway in one device
- Suitable for use in harsh industrial environment thanks to rugged design and wide operating temperature range of -40°C up to 70°C

General ordering data

Version	Serial/Ethernet converter and Modbus TCP/RTU gateway, Number of ports: 2x RJ45 10/100BASE-T(X), 1x DB9 male for RS-232/422/485, IP30, -40 °C...70 °C
Order No.	2682600000
Type	IE-CS-MBGW-2TX-1COM
GTIN (EAN)	4050118692112
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	75.2 mm	Depth (inches)	2.961 inch
Height	110 mm	Height (inches)	4.331 inch
Width	26.1 mm	Width (inches)	1.028 inch
Net weight	251 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...70 °C
Humidity	5 to 95 % (non-condensing)		

EMC conformity and approvals

EMC standards	EN 55032, EN 55024, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 GHz: 3 V/m, IEC 61000-4-4 EFT: Power: 0.5 kV; Signal: 0.5 kV, IEC 61000-4-5 Surge: Power: 0.5 kV; Signal: 1 kV, IEC 61000-4-6 CS: 3 Vrms	Free fall	According to IEC 60068-2-31
Safety standard	UL 61010-1, UL 61010-2-201, SELV according to EN 62368-1	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

Environmental conditions

Humidity	5 to 95 % (non-condensing)		
Operating altitude	Altitude, max.	2,000 m	
	Note	in acc. with UL	
	Altitude, max.	6,000 m	
	Note	for restrictions, see the manufacturer's declaration for operating altitude in section downloads	
Operating temperature, max.	70 °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

Function DIP switch	1x for pull high resistor settings, 1x for pull low resistor settings, 1x for termination resistor settings	Function reset button	<5 sec: System reboot, >5 sec: Factory default
Number of ports	2x RJ45 10/100BASE-T(X), 1x DB9 male for RS-232/422/485	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

Creation date April 28, 2025 5:09:09 AM CEST

Catalogue status 12.04.2025 / We reserve the right to make technical changes.

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MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	1,479,078 h

Management features

Device configuration	Webbrowser (HTTP/HTTPS), Command Line Interface (SSH), Upload of a configuration file via web-interface	Monitoring function	Modbus traffic monitor, Syslog, Event based warning via E-Mail, Event based warning via SNMP trap
IP-address management		Security functions	Enable/disable ports, Management access security via secure IP-list and configuration of allowed access methods (web-interface, SSH)
	Static, DHCP-Client, BootP		
Time synchronization management		Operating modes	Virtual COM mode, TCP Server mode, TCP Client mode, UDP Server/Client mode, Modbus RTU/ASCII Master to Modbus TCP Slave Gateway, Modbus TCP Master to Modbus RTU/ASCII Slave Gateway
	SNTP client		

Power supply

Connection type	1 removable 4-pin terminal block	
Current consumption	Voltage	24 V
	Current	0.2 A
Overload current protection	Yes	
Reverse polarity protection	Yes	
Voltage supply	12/24/48 V DC, 2 redundant inputs	
Voltage supply range	Voltage type	DC
	Voltage, min.	10.8 V
	Voltage, max.	52.8 V

Serial communication parameters

Baud rate	110 bit/s to 460800 bit/s	Data bits	7, 8
Flow control	XON/XOFF, RTS/CTS and DTR/DSR (RS-232)	Parity	none, odd, even, Mark, Space
Stop bits	1, 2		

Technical data

Housing main material	Metal	Protection degree	IP30
Type of mounting	DIN rail, Wall mounting, Mounting plate		

Technology

Flow control	XON/XOFF, RTS/CTS and DTR/DSR (RS-232)	Standard	IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX
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Classifications

ETIM 6.0	EC000310	ETIM 7.0	EC000310
ETIM 8.0	EC000310	ETIM 9.0	EC000310
ECLASS 11.0	19-17-01-32	ECLASS 12.0	19-17-01-32
ECLASS 13.0	19-17-01-14	ECLASS 14.0	19-17-01-32

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl
REACH SVHC	Lead 7439-92-1 Lead monoxide 1317-36-8
SCIP	9229992a-00b9-4096-8962-200a7f33e289

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319245/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	KC certificate EU Declaration of Conformity RCM Declaration of Conformity UK Declaration of Conformity Manufacturer's declaration for operating altitude
Engineering Data	CAD data – STEP
Product Change Notification	Firmware Release Notes ComServer/Modbus-Gateway Utility Release Notes Product Change Notification
Software	Firmware – Current Firmware Software – ComServer/Modbus-Gateway Utility (Virtual COM Port Driver)
User Documentation	Hardware Installation Guide User manual
Catalogues	Catalogues in PDF-format