

## IE-CS-MBGW-2TX-1COM

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://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.	<a href="#">268260000</a>
Type	IE-CS-MBGW-2TX-1COM
GTIN (EAN)	4050118692112
Qty.	1 items

**IE-CS-MBGW-2TX-1COM**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E141197

**Dimensions and weights**

Depth	75.2 mm	Depth (inches)	2.9606 inch
Height	110 mm	Height (inches)	4.3307 inch
Width	26.1 mm	Width (inches)	1.0276 inch
Net weight	251 g		

**Temperatures**

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

**Environmental Product Compliance**

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

**EMC conformity and approvals**

Free fall	According to IEC 60068-2-31	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
Vibration	according to IEC 60068-2-6	Shock	according to IEC 60068-2-27
Safety standard	UL 61010-1, UL 61010-2-201, SELV according to EN 62368-1		

**Environmental conditions**

Operating temperature, max.	70 °C	
Operating temperature, min.	-40 °C	
Humidity	5 to 95 % (non-condensing)	
Storage temperature, max.	85 °C	
Storage temperature, min.	-40 °C	
Operating altitude	Altitude, max.	2000 m
	Note	in acc. with UL
	Altitude, max.	6000 m

## IE-CS-MBGW-2TX-1COM

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Technical data

Note

for restrictions, see the manufacturer's declaration for operating altitude in section downloads

### Guarantee

Time interval 5 years

### Interfaces

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

### MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	1479078 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	Static, DHCP-Client, BootP	Security functions	Enable/disable ports, Management access security via secure IP-list and configuration of allowed access methods (web-interface, SSH)
Time synchronization management	SNTP client	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

### Power supply

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

## IE-CS-MBGW-2TX-1COM

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Technical data

### Serial communication parameters

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

### Technical data

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

### 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
--------------	--	----------	---

### Classifications

ETIM 6.0	EC000310	ETIM 7.0	EC000310
ETIM 8.0	EC000310	ETIM 9.0	EC000310
ETIM 10.0	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	ECLASS 15.0	19-17-01-32

## IE-CS-MBGW-2TX-1COM

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

# Accessories

## Mounting kit for 19" rack assembly

- For assembling DIN rail-based devices on 19" racks



## General ordering data

Type	RM-KIT	Version	
Order No.	<a href="#">1241440000</a>	Kit for 19"-rack mounting	
GTIN (EAN)	4050118029154		
Qty.	1 ST		