

Industrial Ethernet IE-CS-2TX-2RS232/485

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Product image



Serial/Ethernet converter with 1 or 2 ports for industrial automation

- Improved surge protection for serial, LAN and supply ports
- Sturdy screw-on terminal blocks for the power supply and serial connectors
- Easy cabling with cascading Ethernet ports
- Redundant DC power supply inputs
- Warnings via relay output and e-mail
- Minimal power consumption

General ordering data

Type	IE-CS-2TX-2RS232/485
Order No.	1242090000
Version	Serial / Ethernet converter, 2x RJ45, 2x DB9 for RS-232/422/485, IP30, 0 °C...60 °C
GTIN (EAN)	4050118030495
Qty.	1 pc(s).

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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Width	36 mm	Width (inches)	1.417 inch
Height	140 mm	Height (inches)	5.512 inch
Depth	105 mm	Depth (inches)	4.134 inch
Net weight	485 g		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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EMC conformity and approvals

EMC standards	EN 61000-4-2 (ESD), Stage 3, EN 61000-4-3 (RS), Stage 3, EN 61000-4-5 (surge), EN 61000-4-5 (surge voltage), Stage 3, EN 61000-4-6 (CS), Stage 3, EN 61000-4-8, EN 61000-4-11, EN 55022 Class A, EN 55024, FCC Part 15, Section B, Class A	Safety standard	UL508
Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA nC IIC T3 Gc	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6	Free fall	According to IEC 60068-2-32

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 cable protection	1 kV (Level 2) surge protection	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	RS-485 data direction control	ADDC® (automatic data direction control)
Serial cable protection	15 kV ESD protection for all signals, 1 kV (Level 2) surge protection	Serial port	DB9 for RS-232/422/485
Serial ports	2		

MTBF

MTBF	262,805 hrs	Database	Telcordia (Bellcore), GB
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Power supply

Connection type	1 removable 8-pole terminal block		
Current consumption	Voltage	12 V DC	
	Current	0.25 A	
	Voltage	24 V DC	
	Current	0.125 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	5, 6, 7, 8
Flow control	RTS/CTS and DTR/DSR (RS-232), XON/XOFF	Parity	none, straight, odd, Space, Mark
Stop bits	1, 1.5, 2		

Serial signals

RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND	RS-422	TxD+, TxD-, RxD+, RxD-, GND
RS-485 2-wire	Data+, Data-, GND	RS-485 4-wire	TxD+, TxD-, RxD+, RxD-, GND

Technical data

Housing main material	metal	Protection degree	IP30
Type of mounting	Rail		

Technology

Flow control	RTS/CTS and DTR/DSR (RS-232), XON/XOFF
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Reliability

Alarm function	Built-in buzzer and RTC	Auto restart on failure	Built-in Watchdog Timer (WDT)
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Software

Configuration options	Web console, serial console, Telnet console, Windows utility	Network protocol	ICMP, IP, TCP, UDP, DHCP, BOOTP, Telnet, Rtelnet, DNS, SNMP, HTTP, SMTP, SNMP, IGMP
Windows Real COM driver	Windows 95/98/ME/NT/2000, Windows XP/2003/Vista/2008/7/8 x86/x64, 2012 x64		

Classifications

ETIM 6.0	EC000310	ETIM 7.0	EC000310
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Data sheet

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Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	ATEX certificate EU Declaration of Conformity
Brochure/Catalogue	CAT 9 IETH 18/19 EN
Software	S/E-Converter Administration Tool Firmware Version 1.0.6 Real TTY Driver for Linux (Linux 2.x) Real TTY Driver for Linux (Linux 3.x, 4.x)
User Documentation	Hardware Installation Guide Manual

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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.	1241440000	Kit for 19"-rack mounting
GTIN (EAN)	4050118029154	
Qty.	1 pc(s).	

Ethernet (Cat.6)



- Suitable for Cat. 5 (up to 100 MHz) and Cat. 6 (up to 250 MHz Class E)
- Suitable for PoE+ (according to IEEE 802.3at, IEEE 802.3bt Type 3 and 4)
- Protection of all wire pairs
- Connection via RJ45 sockets
- Metal housing

General ordering data

Type	VDATA CAT6	Version
Order No.	1348590000	Terminal rail fixing, Surge protection, 1 A, According to IEC61643-21
GTIN (EAN)	4050118153002	
Qty.	1 pc(s).	