

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

**Weidmüller Interface GmbH & Co. KG**  
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### 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.	<a href="#">1242090000</a>
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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**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

**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	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA nC IIC T3 Gc
Free fall	According to IEC 60068-2-32	Security	UL508
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.	60 °C
Operating temperature, min.	0 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

**Guarantee**

Time interval 5 years

**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 Kbit Database Telcordia (Bellcore), GB

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## Technical data

### Power supply

Connection type	1 removable 8-pole terminal block	Current consumption	0.250 A at 12 V DC, 0.125 A at 24 V DC
Supply voltage, max.	48 V DC	Supply voltage, min.	12 V DC
Voltage supply	24 V DC, 2 redundant inputs		

### 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, SNTP, 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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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

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