

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

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

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

Version	Serial / Ethernet converter, 2x RJ45, 2x DB9 for RS-232/422/485, Number of ports: 2x RJ45 10/100BASE-T(X), 2x DB9 for RS-232/422/485, IP30, 0 °C...60 °C
Order No.	<a href="#">1242090000</a>
Type	IE-CS-2TX-2RS232/485
GTIN (EAN)	4050118030495
Qty.	1 items

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## Technical data

### Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E141197
Certificate no. (cULusEX)	E223527

### Dimensions and weights

Depth	105 mm	Depth (inches)	4.1338 inch
Height	140 mm	Height (inches)	5.5118 inch
Width	36 mm	Width (inches)	1.4173 inch
Net weight	485 g		

### Temperatures

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

### Environmental Product Compliance

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

### EMC conformity and approvals

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
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 55032, EN 55035, FCC Part 15, Section B, Class A	Vibration	according to IEC 60068-2-6
Shock	according to IEC 60068-2-27	Safety standard	UL508, EN 62368-1

### Environmental conditions

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

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### Guarantee

Time interval 5 years

### Interfaces

RJ45 ports	10/100BaseT(X), Auto MDI/MDI-X port	Number of ports	2x RJ45 10/100BASE-T(X), 2x DB9 for RS-232/422/485
Ethernet cable protection	1 kV (Level 2) surge protection	Serial cable protection	15 kV ESD protection for all signals, 1 kV (Level 2) surge protection
RS485 data direction control	ADDC® (automatic data direction control)	Magnetic isolation protection	1.5 kV built-in

### MTBF

MTBF	According to Standard	Telcordia (Bellcore), GB
	Operating time (hours), min.	262805 h

### Power supply

Supply voltage	24 V DC, 2 redundant inputs		
Connection type	1 removable 8-pole terminal block		
Voltage supply range	Voltage type	DC	
	Voltage, min.	12 V	
	Voltage, max.	48 V	
Current consumption	Voltage	12 V	
	Current	0.25 A	
	Voltage	24 V	
	Current	0.12 A	

### Serial communication parameters

Flow control	RTS/CTS and DTR/DSR (RS-232), XON/XOFF	Baud rate	50 bit/s to 921.6 kbit/s
Parity	none, straight, odd, Space, Mark	Stop bits	1, 1.5, 2
Data bits	5, 6, 7, 8		

### Technical data

Housing main material	metal	Type of mounting	Rail
Protection degree	IP30		

### 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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## Technical data

### Software

Windows Real COM driver	Windows 95/98/ ME/NT/2000, Windows XP/2003/ Vista/2008/7/8 x86/x64, 2012 x64	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		

### Classifications

ETIM 8.0	EC000310	ETIM 9.0	EC000310
ETIM 10.0	EC000310	ECLASS 14.0	19-17-01-32
ECLASS 15.0	19-17-01-32		

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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.	<a href="#">1241440000</a>	Kit for 19"-rack mounting	
GTIN (EAN)	4050118029154		
Qty.	1 ST		

### Ethernet



- 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.	<a href="#">1348590000</a>	Terminal rail fixing, Surge protection, Cat.6, PoE, 802.3 bt at Type 1, 802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4	
GTIN (EAN)	4050118153002		
Qty.	1 ST		