

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, IP30, 0 °C...60 °C
Order No.	1242090000
Type	IE-CS-2TX-2RS232/485
GTIN (EAN)	4050118030495
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

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

Temperatures

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

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	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	Safety standard	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
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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	RS485 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		

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Technical data**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
Supply voltage, max.	48 V DC	
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		

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, SNTIP, 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
ECLASS 11.0	19-17-01-32		

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www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS	Conform
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	ATEX certificate EU Declaration of Conformity
Engineering Data	STEP
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