

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

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**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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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
Weight	485 g	Net weight	485 g

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		

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	MTBF	Telcordia (Bellcore), GB
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Power supply

Current consumption	0.250 A at 12 V DC, 0.125 A at 24 V DC	Supply voltage	12 to 48 V DC
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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	neither, even, odd, Space, Mark
Stop bits	1, 1.5, 2		

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Technical data

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	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	Fixed TTY driver	SCO Unix, SCO OpenServer, UnixWare 7, UnixWare 2.1, SVR 4.2, QNX 4.25, QNX 6, Solaris 10, FreeBSD, AIX 5.x, HP-UX 11i
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 4.0	EC001262	ETIM 5.0	EC001262
ETIM 6.0	EC001262	eClass 6.2	19-17-01-06
eClass 7.1	19-17-01-06	eClass 8.1	19-17-01-06
eClass 9.0	19-17-01-06		

Approvals

Approvals



ROHS Conform

Data sheet**Industrial Ethernet
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Technical data**Downloads**

Manual	Manual
Package insert	Hardware Installation Guide
Tools	S/E-Converter Administration Tool
Firmware	Version 1.0.6
3-D model	

Addresses worldwide

Let's connect.

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