

IE-CS-2TX-1RS232/485

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, 1x DB9 for RS-232, 1x terminal block for RS-422/485, Number of ports: 2x RJ45 10/100BASE-T(X), 1x DB9 for RS-232, 1x terminal block for RS-422/485, IP30, 0 °C...60 °C
Order No.	1242080000
Type	IE-CS-2TX-1RS232/485
GTIN (EAN)	4050118030266
Qty.	1 items

Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
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	475 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	FCC Part 15 Subpart B Class A, EN 55032, EN 61000-4-2 (ESD), Stage 3, EN 61000-4-3 (RS), Stage 3, EN 61000-4-4 (EFT), level 4, EN 61000-4-5 (Surge), Stage 3, EN 61000-4-6 (CS), Stage 3, EN 61000-4-8, EN 61000-4-11, EN 55035	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), 1x DB9 for RS-232, 1x terminal block for RS-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	0.22 A
	Voltage	24 V
	Current	0.11 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

Reliability

Alarm function	Built-in buzzer and RTC	Auto restart on failure	Built-in Watchdog Timer (WDT)
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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.	1241440000	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.	1348590000	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		