

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 |
| Width | 36 mm | Width (inches) | 1.417 inch |
| Net weight | 485 g | | |

Temperatures

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

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 55032, EN 55035, 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, EN 62368-1 |
| 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 | 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 | | |

MTBF

| | | |
|------|------------------------------|--------------------------|
| MTBF | According to Standard | Telcordia (Bellcore), GB |
| | Operating time (hours), min. | 262,805 h |

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Technical data**Power supply**

| | | | |
|----------------------|-----------------------------------|---------|--|
| Connection type | 1 removable 8-pole terminal block | | |
| Current consumption | Voltage | 12 V | |
| | Current | 0.25 A | |
| | Voltage | 24 V | |
| | Current | 0.125 A | |
| 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 |
|--------------|--|

Reliability

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

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, SNMP, 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 |
| ETIM 8.0 | EC000310 | ETIM 9.0 | EC000310 |
| ECLASS 11.0 | 19-17-01-32 | ECLASS 12.0 | 19-17-01-32 |
| ECLASS 13.0 | 19-17-01-14 | ECLASS 14.0 | 19-17-01-32 |

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Technical data

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 |

Approvals

Approvals



| | |
|---------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E141197 |
| Certificate no. (cULusEX) | E223527 |

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | ATEX certificate EU Declaration of Conformity UK Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Software | Software – S/E-Converter Administration Tool Firmware – Firmware Version 1.0.6 Driver – Real TTY Driver for Linux (Linux 2.x) Driver – Real TTY Driver for Linux (Linux 3.x, 4.x) |
| User Documentation | Hardware Installation Guide Manual |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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www.weidmueller.com**Accessories****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, |
| GTIN (EAN) | 4050118153002 | 802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4 |
| Qty. | 1 pc(s). | |

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 pc(s). | |