

IE-SR-2TX-WL-4G-EU

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

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Weidmüller Industrial Security Routers

- Easy integration of subnets with identical IP address ranges through 1: 1 NAT
- Secure and easy remote maintenance with Weidmüller u-link remote access service
- Future-proof network connection with static and dynamic routing
- Increased network security through stateful inspection firewall, IP/Port- forwarding and network segmentation
- Secure communication over the Internet by using IPsec and OpenVPN
- Reliable internet connection, even without on-site internet access, thanks to integrated 4G/LTE cellular modem
- Full flexibility thanks to Fast Ethernet and Gigabit Ethernet interfaces ranging from 2 up to 6 ports.

General ordering data

| | |
|------------|--|
| Version | Security/NAT/VPN Router, with integrated multi-band modem (4G/3G/2G), EU-model, Fast Ethernet, 2x RJ45 10/100BASE-T(X), 1x DB9 male for RS-232/422/485, IP30, -25 °C...70 °C |
| Order No. | 2682560000 |
| Type | IE-SR-2TX-WL-4G-EU |
| GTIN (EAN) | 4050118692150 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|-------|-----------------|------------|
| Depth | 81 mm | Depth (inches) | 3.189 inch |
| Height | 95 mm | Height (inches) | 3.74 inch |
| Width | 45 mm | Width (inches) | 1.772 inch |
| Net weight | 650 g | | |

Temperatures

| | | | |
|-----------------------------|----------------------------|-----------------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -25 °C...70 °C |
| Operating temperature, min. | -25 °C | Operating temperature, max. | 70 °C |
| Humidity | 5 to 95 % (non-condensing) | | |

Mobile radio interface

| | | | |
|--------------------------------|--|----------|--|
| Frequency band | LTE-FDD: B1, B3, B7, B8, B20, B28A, LTE-TDD: B38, B40, B41, WCDMA: B1,B8, GSM: B3,B8 | | |
| Transmission rate mobile radio | LTE category | CAT 4 | |
| | Download rate, max. | 150 Mbps | |
| | Upload rate, max. | 50 Mbps | |
| Wireless module | multi-band modem (4G/3G/2G), Region: EMEA | | |

EMC conformity and approvals

| | | | |
|-----------------|---|-----------|-----------------------------|
| EMC standards | EN 55032, EN 55024, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 Ghz: 3 V/m, IEC 61000-4-4 EFT: Power: 0.5 kV; Signal: 0.5 kV, IEC 61000-4-5 Surge: Power: 0.5 kV; Signal: 1 kV, IEC 61000-4-6 CS: 3 Vrms | Free fall | According to IEC 60068-2-31 |
| Safety standard | SELV according to EN 62368-1, UL 61010-1, UL 61010-2-201 | Shock | according to IEC 60068-2-27 |
| Vibration | according to IEC 60068-2-6 | | |

Environmental conditions

| | | | |
|-----------------------------|----------------------------|--|--|
| Humidity | 5 to 95 % (non-condensing) | | |
| Operating altitude | Altitude, max. | 2,000 m | |
| | Note | in acc. with UL | |
| | Altitude, max. | 6,000 m | |
| | Note | for restrictions, see the manufacturer's declaration for operating altitude in section downloads | |
| Operating temperature, max. | 70 °C | | |
| Operating temperature, min. | -25 °C | | |
| Storage temperature, max. | 85 °C | | |
| Storage temperature, min. | -40 °C | | |

Guarantee

| | |
|---------------|---------|
| Time interval | 5 years |
|---------------|---------|

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Interfaces

| | | | |
|---------------------------------|---|-----------------------|--|
| Connector for external antennas | 2x SMA female, 1x RP-SMA female | Digital inputs | 1x 5 to 30 V for logic "1", 0 to 2 V for logic "0" |
| Digital outputs | 1x, with a current capacity of 0.2 A at 30 V DC | Function reset button | <5 sec: System reboot and set LAN IP to factory Default, >5 sec: Factory default |
| Number of SIM-Card slots | 2 | Number of ports | 2x RJ45 10/100BASE-T(X), 1x DB9 male for RS-232/422/485 |
| SIM-Card slot type | Mini-SIM (ID-000 format) | | |

MTBF

| | | |
|------|------------------------------|------------------|
| MTBF | According to Standard | Telcordia SR-332 |
| | Operating time (hours), min. | 355,921 h |

Management features

| | | | |
|---------------------------------|--|---------------------|---|
| Device configuration | Webbrowser (HTTP/HTTPS), SNMP v2c, Command Line Interface (Telnet/SSH), Upload of a configuration file via web-interface, SMS control commands | Monitoring function | SNMP v2c, Syslog, Event based warning via E-Mail, Event based warning via relay, Event based warning via SNMP trap, Event based warning via SMS, Device information and mobile radio status via SMS request |
| IP-address management | Static, DHCP-Client, DHCP-Server (pool-based), DHCP-Relay, DNS-Relay | Security functions | Access Control List (MAC-based) for WLAN Access Point mode |
| Time synchronization management | NTP server, NTP client | Operating modes | WLAN Access Point, WLAN Client, Virtual COM mode, TCP Server mode, TCP Client mode, UDP Server/Client mode |

Power supply

| | | | |
|-----------------------------|--|---------|--|
| Connection type | 1 removable 4-pin terminal block | | |
| Current consumption | Voltage | 12 V DC | |
| | Current | 0.46 A | |
| | Voltage | 24 V DC | |
| | Current | 0.22 A | |
| | Voltage | 48 V DC | |
| | Current | 0.11 A | |
| Overload current protection | Yes | | |
| Reverse polarity protection | Yes | | |
| Voltage supply | 12/24/48 V DC, 2 redundant inputs, or 48 V DC Power-over-Ethernet (IEEE 802.3af) | | |
| Voltage supply range | Voltage type | DC | |
| | Voltage, min. | 10,8 V | |
| | Voltage, max. | 52,8 V | |
| | | | |

Routing Features

| | | | |
|--------------------|---|---------------|--|
| Firewall functions | Stateful Packet Inspection Firewall (Layer-3) | NAT functions | Source / Destination NAT (Port / Host / Network) |
| Routing functions | IPv4 routing, Static and dynamic IP Routing | VPN functions | OpenVPN (Server or Client) |

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Serial communication parameters

| | | | |
|-----------|------------------------------|-----------|------|
| Baud rate | 110 bit/s to 460800 bit/s | Data bits | 7, 8 |
| Parity | none, odd, even, Mark, Space | Stop bits | 1, 2 |

Technical data

| | | | |
|-----------------------|---------------|-------------------|-------------------------|
| Housing main material | Metal | Protection degree | IP30 |
| Speed | Fast Ethernet | Type of mounting | DIN rail, Wall mounting |

Technology

| | |
|----------|--|
| Standard | IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX, IEEE 802.3af for Power-over-Ethernet, IEEE 802.11b/g/n for Wireless LAN |
|----------|--|

WLAN interface

| | | | |
|------------------------|--|--------------|--|
| Data security | 64-bit and 128-bit WEP encryption, WPA/WPA2 Personal and Enterprise (IEEE 802.1X/RADIUS, TKIP and AES) | | |
| Transmission rate WLAN | Standard | IEEE 802.11b | |
| | max. | 11 Mbps | |
| | min. | 1 Mbps | |
| | Standard | IEEE 802.11g | |
| | max. | 54 Mbps | |
| | min. | 6 Mbps | |
| | Standard | IEEE 802.11n | |
| | max. | 150 Mbps | |
| | min. | 6,5 Mbps | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001478 | ETIM 7.0 | EC001478 |
| ETIM 8.0 | EC001478 | ECLASS 9.0 | 19-17-01-03 |
| ECLASS 9.1 | 19-17-01-03 | ECLASS 10.0 | 19-17-04-05 |
| ECLASS 11.0 | 19-17-04-05 | ECLASS 12.0 | 19-17-04-05 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| 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 |

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Technical data

Downloads

Approval/Certificate/Document of Conformity

[EU Declaration of Conformity](#)
[UK Declaration of Conformity](#)
[RCM Declaration of Conformity](#)
[Manufacturer's declaration for operating altitude](#)

Engineering Data

[CAD data – STEP](#)

Product Change Notification

[Firmware Release Notes](#)

Software

[Software – ComServer/Modbus-Gateway Utility \(Virtual COM Port Driver\)](#)
[Firmware – Current Firmware](#)

User Documentation

[Hardware Installation Guide](#)
[User manual](#)

Catalogues

[Catalogues in PDF-format](#)