

IE-SR-2TX-WL-4G-US-V**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Weidmüller Industrial Security Routers**

- Secure networks
 - Stateful packet inspection Firewall
 - IP/Port- forwarding
 - Network segmentation
- Easy integration of machine networks into manufacturing networks through 1: 1 NAT
- Secure and easy remote maintenance with Weidmüller u-link remote access service
- Enable modular and future proof network architectures with static and dynamic routing
- 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 4 ports.

General ordering data

Version	Security/NAT/VPN/U-link Router, with integrated multi-band modem (4G/3G), US-model, Fast Ethernet, 2x RJ45 10/100BASE-T(X), 1x DB9 male for RS-232/422/485, IP30, -25 °C...70 °C
Order No.	2682580000
Type	IE-SR-2TX-WL-4G-US-V
GTIN (EAN)	4050118692136
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	437 g		

Temperatures

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

Mobile radio interface

Frequency band	LTE-FDD: B2, B4, B5, B12, B13, B14, B66, B71, WCDMA: B2,B4,B5		
Transmission rate mobile radio	LTE category	CAT 4	
	Download rate, max.	150 Mbit/s	
	Upload rate, max.	50 Mbit/s	
Wireless module	multi-band modem (4G/3G), Region: North America		

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	
Safety standard	SELV according to EN 62368-1, UL 61010-1, UL 61010-2-201	Shock	According to IEC 60068-2-31
Vibration	according to IEC 60068-2-6		according to IEC 60068-2-27

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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Technical data**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.	353,679 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
	Current	0.46 A
	Voltage	24 V
	Current	0.22 A
	Voltage	48 V
	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

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Technical data**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	u-link client, OpenVPN (Server or Client), IPSec (Initiator or Responder)

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
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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 Mbit/s	
	min.	1 Mbit/s	
	Standard	IEEE 802.11g	
	max.	54 Mbit/s	
	min.	6 Mbit/s	
	Standard	IEEE 802.11n	
	max.	150 Mbit/s	
	min.	6.5 Mbit/s	

Classifications

ETIM 6.0	EC001478	ETIM 7.0	EC001478
ETIM 8.0	EC001478	ETIM 9.0	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	ECLASS 13.0	19-17-04-05
ECLASS 14.0	19-17-04-05		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl
REACH SVHC	Lead 7439-92-1 Lead monoxide 1317-36-8
SCIP	9229992a-00b9-4096-8962-200a7f33e289

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Important note

Product information	Not compatible with the SCM card IE-EBR-SMARTCARD-SR 2909820000.
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Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity UK Declaration of Conformity Manufacturer's declaration for operating altitude
Engineering Data	CAD data – STEP
Product Change Notification	Firmware Release Notes ComServer/Modbus-Gateway Utility Release Notes
Software	Software – ComServer/Modbus-Gateway Utility (Virtual COM Port Driver) Firmware – Current Firmware
User Documentation	u-link EULA V3 EN (28.5.2018) Hardware Installation Guide User manual u-link EULA V4 EN (20.9.2023) Mandatory connection parameters for u-link VPN clients Application notes – Industrial Product Security Guideline
Catalogues	Catalogues in PDF-format