

IE-SR-4TX-LTE/4G-USEMEA

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/EMEA-model, Fast Ethernet, 4x RJ45 10/100BaseT(X), IP30, -30 °C...70 °C
Order No.	2739630000
Type	IE-SR-4TX-LTE/4G-USEMEA
GTIN (EAN)	4050118890365
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	94.8 mm	Depth (inches)	3.732 inch
Height	134.5 mm	Height (inches)	5.295 inch
Width	29.9 mm	Width (inches)	1.177 inch
Net weight	213 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-30 °C...70 °C
Humidity	5 - 90 %, no condensation		

Mobile radio interface

Frequency band	EMEA / Americas, LTE: B1 (2100), B2 (1900), B3 (1800), B4 (AWS), B5 (850), B7 (2600), B12 (700ac), B13 (700c), B20 (800DD), B25 (1900), B26 (US 850 Ext), B29 (US 700de Lower), B30 (2300 WCS), B41 (TDD 2500), UMTS: B1 (2100), B2 (1900), B3 (1800), B4 (AWS), B5 (850), B8 (900)		
Mode of operation	Permanent connection, Manual connection control via web interface, Manual connection control via API or SMS, Fallback		
Transmission rate mobile radio	LTE category	CAT 6	
	Download rate, max.	300 Mbit/s	
	Upload rate, max.	50 Mbit/s	
Wireless module	multi-band modem (4G/3G)		

VPN

IPsec	Configurable as IPsec server or client	OpenVPN	Configurable as OpenVPN server or client (Layer 2 and Layer 3), Authentication via X.509 certificate, Tunnel support via HTTP proxy, Maximum 10 different client or server configurations
	Configurable as IPsec server or client		
u-link	OpenVPN-based remote access service via the Weidmüller u-link cloud		

Modes of operation

IP router	IP routing (IPv4, Layer-3) with SPI firewall (Stateful Packet Inspection), Static or dynamic routing, Supports RIPv2 / OSPF	Transparent bridge	4-port switch with additional Layer-2 filter

EMC conformity and approvals

EMC standards	EN 55032, EN 55024, EN 61000-6-2, EN 61000-6-4	Safety standard	UL 61010-1, UL 61010-2-201, EN 62368-1, EN 62311
Shock	according to IEC 60068-2-27	Vibration	according to IEC 60068-2-6
Wireless	EN 301 489-1, EN 301 489-2, EN 301 511, EN 301 908-1, EN 301 908-2		

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Environmental conditions

Humidity	5 - 90 %, no condensation		
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.	-30 °C		
Storage temperature, max.	85 °C		
Storage temperature, min.	-40 °C		

Guarantee

Time interval	3 years
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Interfaces

Connector for external antennas	1x SMA female	Digital inputs	1x, galvanically isolated, VPN-initiate: establishes a pre-configured VPN connection (24 V in), Cut: physically disconnects (Link Down) the WAN port (24 V in), Trigger pre-configured packet filter rules (24 V in)
Function reset button	Restoration of factory settings	LED indicator	Power: indicates power supply status, boot-up process, firmware update process, Status: indicates system status, VPN: indicates VPN tunnel status, LTE/4G: indicates mobile radio connection status, Port LED: Link/ACT, Speed (RJ45 port)
Number of SCM-Card slots	1	Number of SIM-Card slots	1
Number of ports	4x RJ45 10/100BaseT(X)	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port
SCM-Card slot type	Smart Card (ID-000 format), Save and restore the configuration using smart card (memory chip)	SIM-Card slot type	Mini-SIM (ID-000 format)
Serial port	1x RS-485, 2-wire, galvanically isolated, 1 removable 3-pole terminal block		

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Management features

Device configuration	Webbrowser (HTTP/HTTPS), SNMP v1/v2c/v3, Windows tool	Monitoring function	SNMP v1/v2c/v3, Syslog, Event based warning via E-Mail
IP-address management	Static, DHCP-Client, DHCP-Server (pool-based)	Security functions	IPv4 Stateful Packet Inspection Firewall (incoming/outgoing), NAT masquerading, 1:1 NAT, IP forwarding, Port forwarding
Time synchronization management	NTP client	Industrial protocol support	Modbus/TCP slave

Power supply

Connection type	1 removable 4-pin terminal block		
Current consumption	Voltage	24 V	
	Current	0.8 A	
Reverse polarity protection	Yes		
Voltage supply	24 V DC, 1 single input		
Voltage supply range	Voltage type	DC	
	Voltage, min.	19.2 V	
	Voltage, max.	28.8 V	

Technical data

Housing main material	Plastic	Protection degree	IP30
Speed	Fast Ethernet	Type of mounting	DIN rail

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

Important note

Product information	For the SCM card usage please check the compatibility list for suitable router models and hardware revisions found at 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

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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 Product Change Notification (Mobile radio modem)
Software	Software – u-link VPN-Client Software – Router Search Utility Device description – SNMP MIB file Firmware – Current Firmware
User Documentation	User Note - Secure Router Configuration Hardware Installation Guide u-link EULA V3 EN (28.5.2018) Manual u-link EULA V4 EN (20.9.2023) Mandatory connection parameters for u-link VPN clients
Catalogues	Catalogues in PDF-format