

IE-SR-4GT-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, Gigabit Ethernet, 4x RJ45 10/100/1000BaseT(X), IP20, -25 °C...70 °C
Order No.	2873930000
Type	IE-SR-4GT-LTE/4G-USEMEA
GTIN (EAN)	4064675647690
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	115 mm	Depth (inches)	4.528 inch
Height	150 mm	Height (inches)	5.905 inch
Width	35 mm	Width (inches)	1.378 inch
Net weight	632 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °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)
u-link	OpenVPN-based remote access service via the Weidmüller u-link cloud		

Modes of operation

Extended IP router	Each interface (LAN, WAN, optional 4G/LTE) can be configured as separate IP network	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 61000-6-4, EN 61000-6-2	Safety standard	EN 62368-1, EN 62311, 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 - 90 %, no condensation		
Operating altitude	Altitude, max.	2,000 m	
	Note	in acc. with UL	
Operating temperature, max.	70 °C		
Operating temperature, min.	-25 °C		

Creation date July 30, 2024 6:55:47 PM CEST

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Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C

Guarantee

Time interval	3 years
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Interfaces

Connector for external antennas		Digital inputs	2x, 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)
Digital outputs	2x SMA female Alarm: indicates a configurable network state or fault (24 V out), VPN-active: indicates an active VPN connection (24 V out), 1x	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 10/100/1000BaseT(X)
RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port, 10/100/1000BaseT(X)	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
USB port	USB 2.0 interface for firmware update or restoration of the device configuration via USB flash drive		

Management features

Device configuration	Webbrowser (HTTP/HTTPS), SNMP v1/v2c/v3, Windows tool	Monitoring function	SNMP v1/v2c/v3, Syslog
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 server, NTP client		

Power supply

Connection type	1 removable 4-pin terminal block
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Catalogue status 13.07.2024 / We reserve the right to make technical changes.

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Current consumption	Voltage	24 V
	Current	1.5 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	Aluminium	Protection degree	IP20
Speed	Gigabit Ethernet	Type of mounting	DIN rail

Technology

Standard	IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX, IEEE 802.3ab for 1000BASE-T
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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	1bb4009c-24f3-4115-ab13-f6bde3580fe2
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl, 7cII

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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Approval/Certificate/Document of Conformity	UK Declaration of Conformity EU Declaration of Conformity
Engineering Data	CAD data – STEP
Product Change Notification	Firmware Release Notes Product Change Notification (Mobile radio modem)
Software	Software – u-link VPN-Client Current Firmware
User Documentation	u-link EULA V3 EN (28.5.2018) Hardware Installation Guide Manual u-link EULA V4 EN (20.9.2023) Mandatory connection parameters for u-link VPN clients
Catalogues	Catalogues in PDF-format