

IE-SR-4GT-LTE/4G-USEMEA-M

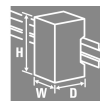
Weidmüller Interface GmbH & Co. KG

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 via integrated 4G/LTE cellular modem, independent of on-site infrastructure (only applicable to variants with integrated cellular modem)
- Full flexibility thanks to Fast Ethernet and Gigabit Ethernet interfaces ranging from 2 up to 4 ports.
- Suitable for use in demanding maritime applications (only applicable to variants with DNV certification)
- WLAN access point functionality for local wireless service access (only applicable to variants with integrated WLAN interface)

General ordering data

Version	Security/NAT/VPN/U-link Router, with integrated multi-band modem (4G/3G), Global-model, Gigabit Ethernet, 4x RJ45 10/100/1000BaseT(X), DNV, IP20, -25 °C...70 °C
Order No.	2990440000
Type	IE-SR-4GT-LTE/4G-USEMEA-M
GTIN (EAN)	4099986863514
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	115 mm	Depth (inches)	4.5275 inch
Height	150 mm	Height (inches)	5.9055 inch
Width	55 mm	Width (inches)	2.1654 inch
Net weight	660 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...70 °C
Humidity	5 - 90 %, no condensation		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6aI, 6c, 7a, 7cI, 7cII
REACH SVHC	Lead 7439-92-1, 2-Benzyl-2-dimethylamino-4-morpholinobutyrophenone 119313-12-1, 2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one 71868-10-5, 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1, Lead monoxide 1317-36-8, Lead titanium trioxide 12060-00-3, N, N-dimethylacetamide 127-19-5
SCIP	93e2ffbb-7059-4dd6-aead-4bfd51e4bc4e

Mobile radio interface

Transmission rate mobile radio	LTE category	CAT 13
	Download rate, max.	400 Mbit/s
	Upload rate, max.	150 Mbit/s
Mode of operation	Permanent connection, Manual connection control via web interface, Manual connection control via API or SMS, Fallback	
Wireless module	multi-band modem (4G/3G)	
Frequency band	Region: Global, 4G LTE: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B18, B19, B20, B25, B26, B28, B29, B32, B38, B39, B40, B41, B42, B43, B48, B66, B71, 3G UMTS/HSPA+: B1, B2, B4, B5, B6, B8, B9, B19	

EMC conformity and approvals

EMC standards	EN 61000-6-4, EN 61000-6-2, FCC Part 15 Class B	Vibration	according to IEC 60068-2-6
Shock	according to IEC 60068-2-27	Ship use	DNV
Safety standard	EN 62368-1, EN 62311	Security standard	EN 18031-1

Environmental conditions

Operating temperature, max.	70 °C	Operating temperature, min.	-25 °C
Humidity	5 - 90 %, no condensation	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

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Guarantee

Time interval 3 years

Interfaces

RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port	Number of ports	4x RJ45 10/100/1000BaseT(X)
Function reset button	Restoration of factory settings	Digital outputs	VPN-active: indicates an active VPN connection (24 V out), Alarm: indicates a configurable network state or fault (24 V out)
Digital inputs	galvanically isolated, Cut: physically disconnects (Link Down) the WAN port (24 V in), Trigger pre-configured packet filter rules (24 V in), VPN-initiate: establishes a pre-configured VPN connection (24 V in)	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)	Connector for external antennas	2x SMA female
USB port	USB 2.0 interface for firmware update or restoration of the device configuration via USB flash drive	Serial port	1x RS-485, 2-wire, galvanically isolated, 1 removable 3-pin terminal block
Number of SIM-Card slots	1	Number of SCM-Card slots	1
LED indicator	Power: indicates power supply status, boot-up process, firmware update process, Status: indicates system status, VPN: indicates VPN tunnel status, Port LED: Link/ACT, Speed (RJ45 port)		

Management features

Device configuration	Webbrowser (HTTP/HTTPS), SNMP v3, Windows tool	Monitoring function	SNMP v3, Syslog, Event based warning via E-Mail, Event based warning via relay, Event based warning via SMS
IP-address management	Static, DHCP-Client, DHCP-Server (pool-based), DNS-Relay	Time synchronization management	NTP server, NTP client

Power supply

Reverse polarity protection	Yes	
Supply voltage	Galvanically isolated, 24 V DC	
Overload current protection	Yes	
Connection type	1 removable 3-pin terminal block	
Voltage supply range	Voltage type	DC
	Voltage, min.	19.2 V
	Voltage, max.	28.8 V
Current consumption	Voltage	24 V
	Current	1.5 A

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Voltage type

DC

Routing Features

NAT functions	Source / Destination NAT (Port / Host / Network)	Firewall functions	Stateful Packet Inspection Firewall (Layer-3), Transparent bridge mode (4-port switch with additional Layer-2 filter)
VPN functions	u-link client, OpenVPN (Server or Client), IPSec (Initiator or Responder)	Routing functions	IPv4 routing, IPv4 routing extended (each interface (LAN, WAN, optional cellular) can be configured as separate IP network), Static and dynamic IP Routing, RIPv2 / OSPF

Technical data

Housing main material	Aluminium	Type of mounting	DIN rail
Protection degree	IP20	Speed	Gigabit Ethernet

Technology

Standard	IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE- TX, IEEE 802.3ab for 1000BASE-T	Protocol	DHCP Client (BootP), DHCP Server/Client
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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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Classifications

ETIM 8.0	EC001478	ETIM 9.0	EC001478
ETIM 10.0	EC001478	ECLASS 14.0	19-17-04-05
ECLASS 15.0	19-17-04-05		