

IE-SR-2GT-LTE/4G-US**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****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/2G), US-model, Gigabit Ethernet, 2x RJ45 10/100/1000BaseT(X), IP20, -20 °C...70
Order No.	2535780000
Type	IE-SR-2GT-LTE/4G-US
GTIN (EAN)	4050118547597
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-10-31
Replacement parts	1347870000 1347850000
Alternative product	2873930000

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Technical data**Dimensions and weights**

Depth	140 mm	Depth (inches)	5.512 inch
Height	170 mm	Height (inches)	6.693 inch
Width	35	Width (inches)	1.378 inch
Net weight	700 g		

Temperatures

Storage temperature	-20 °C...85 °C	Operating temperature	-20 °C...70
Humidity	5 - 90 %, no condensation		

Mobile radio interface

Frequency band	Americas: LTE: Band 2 (1900 MHz), Band 4 (AWS) (1700/2100 MHz), Band 5 (850 MHz), Band 13 (700 MHz), Band 17 (700 MHz), Band 25 (1900 MHz G Block); CDMA EVDO Release 0 y EVDO Release A: BC0 (Cellular 800 MHz), BC1 (PCS 1900 MHz), BC10 (Secondary 800 MHz); UMTS: band 1 (2100 MHz); band 2 (1900 MHz); band 4 (AWS 1700/2100 MHz); band 5 (850 MHz); band 8 (900 MHz); GSM/GPRS/EDGE: Quad-Band (850/900/1800/1900 MHz)	
Mode of operation	Permanent connection, Manual connection control via web interface, Fallback connection with active ICMP monitoring of the target IP via Ethernet	
Transmission rate mobile radio	LTE category	CAT 4
	Download rate, max.	150 Mbit/s
	Upload rate, max.	50 Mbit/s
Wireless module	LTE / HSPA+ multiband wireless module (4G / 3G / 2G) for fast wireless Internet access	

Network Services/Firewall/Management

Firewall	IPv4 Stateful Packet Inspection Firewall (incoming/outgoing), NAT masquerading, 1:1 NAT, Port forwarding, layer 2/3 filter (VLAN ID, VLAN QoS Tag, MAC address, EtherType frame), Auto-learning function to create packet filter rules (analysis of network traffic), Layer 2/3-based packet prioritisation (Ethernet Frame, IP Header, VLAN Tag)	Management	Configuration via WEB interface (HTTP/HTTPS), Language interface can be switched to German or English, Configuration support through detailed help information (tool tip), Configurable multi-user access with freely definable rights, Support for SNMP v1/v2/v3, event log/syslog
Network services	DHCP Server / DHCP Relay, DNS relay, NTP client, DynDNS (DHCP client acc. to RFC 2136)		

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VPN

IPsec	Configurable as IPsec server or client, Authentication via PSK (userid, password) or X.509 certificates, Hardware-based encryption for faster data throughput, Maximum 64 simultaneous connections (sub-network to sub-network or as IPsec server), Encryption algorithms DES-56, 3DES-168, AES-128, AES-192, AES-256	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, Unlimited number of client connections in server mode
u-link	OpenVPN-based remote access service via the Weidmüller u-link cloud		

Miscellaneous

Diagnostics	Remote capture function for network diagnostics via a connected PC (Wireshark)	Modbus/TCP	Integrated Modbus-TCP server for status queries and software-based enabling/disabling of VPN connections
Monitoring	Client monitoring (per ICMP) with alarm function in the event of a fault		

Modes of operation

IP router	IP routing (IPv4, Layer-3) with SPI firewall (Stateful Packet Inspection)	Transparent bridge	2-port switch with additional layer-2 filter
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EMC conformity and approvals

EMC standards	FCC Part 15, Class A, EN 61000-6-4, EN 61000-6-2	Safety standard	UL508
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
	Altitude, max.	6,000 m
	Note	for restrictions, see the manufacturer's declaration for operating altitude in section downloads
Operating temperature, max.	70	
Operating temperature, min.	-20 °C	
Storage temperature, max.	85 °C	
Storage temperature, min.	-20 °C	

Guarantee

Time interval	3 years
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Interfaces

Connector for external antennas		Digital inputs	Cut: physically disconnects (Link Down) the WAN port (24 V in), VPN-initiate: establishes a pre-configured VPN connection (24 V in)
Digital outputs	2x SMA female	Function reset button	Restoration of factory settings
	Alarm: indicates a configurable network state or fault (24 V out), VPN-active: indicates an active VPN connection (24 V out)		
LED indicator	Indication of voltage status, Status, CUT, Alarm, Active VPN connection, Mobile radio connection, Port LED: Link/ACT, Speed (RJ45 port)	Number of SCM-Card slots	1
Number of SIM-Card slots	1	Number of ports	2x RJ45 10/100/1000BaseT(X)
RJ45 ports	10/100/1000BaseT(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)	USB port	USB 2.0 interface for firmware update or restoration of the device configuration via USB flash drive

Power supply

Current consumption	Voltage	24 V
	Current	0.6 A
Voltage supply	24 V DC, 1 single input, NEC class 2, (for use in conformity with UL specifications: 7 - 30 V DC)	
Voltage supply range	Voltage type	DC
	Voltage, min.	7 V
	Voltage, max.	36 V

Technical data

Housing main material	diecast aluminium	Protection degree	IP20
Speed	Gigabit Ethernet	Type of mounting	DIN rail, VESA 75

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Technology

Standard	LTE: 3GPP Release 9, UMTS: 3GPP Releases 5, 6, 7, 8, GSM/GPRS/EDGE: 3GPP Release 99, GERAN Feature Package #1, CD- MA (Americas): TIA/EIA/ IS-2000.1 through .6. cd- ma2000® Standards for Spread Spectrum Systems. Release 0. April 2000; TIA/EIA/IS-2000.1-1 through .6-1. cdma2000® Addendum 1 April 2000; TIA/EIA/IS-2000.1-2 through .6-2. cdma2000® Addendum 2 June 2001; TIA/EIA/IS-95-B. Mobile Station-Base Station Com- patibility Standard for Dual- Mode Spread Spectrum Systems. December 4, 1998; TIA/EIA/IS-. cd- ma2000® High Rate Pack- et Data Air Interface Speci- fication. Nov. 2000
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WLAN interface

Transmission rate	Max. download rate: 100 Mbps, Max. upload rate: 50 Mbps
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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
ECLASS 14.0	19-17-04-05		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
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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Catalogue status 26.10.2024 / We reserve the right to make technical changes.

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Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity Manufacturer's declaration for operating altitude
Engineering Data	CAD data – STEP
Product Change Notification	Firmware Release Notes Product Change Notification IE-SR-2/6GT-series
Software	Software – Router Search Utility Device description – SNMP MIB file Firmware – Current Firmware
User Documentation	Hardware Installation Guide Manual User Note - Secure Router Configuration Mandatory connection parameters for u-link VPN clients
Catalogues	Catalogues in PDF-format