

IE-SR-6GT-LTE/4G-EU**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

- Easy integration of subnets with identical IP address ranges through 1:1 NAT
- Secure and easy remote maintenance with Weidmüller u-link remote access service
- Future-proof network connection with static and dynamic routing
- Increased network security through stateful inspection firewall, IP/Port-forwarding and network segmentation
- 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 6 ports.

General ordering data

Version	Security/NAT/VPN/U-link Router, with integrated multi-band modem (4G/3G/2G), EU-model, Gigabit Ethernet, 6 * RJ45 10/100/1000BaseT(X), IP20, -20 °C...70 °C
Order No.	2535960000
Type	IE-SR-6GT-LTE/4G-EU
GTIN (EAN)	4050118547634
Qty.	1 pc(s).

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Depth	136 mm
Height	170 mm
Net weight	1,000 g
Width (inches)	2.244 inch

Depth (inches)	5.354 inch
Height (inches)	6.693 inch
Width	57 mm

Temperatures

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

Operating temperature	-20 °C...70 °C
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Mobile radio interface

Frequency band	EMEA/Australia: LTE: 2100 MHz (B1), 1800 MHz (B3), 2600 MHz (B7), 900 MHz (B8), 800 MHz (B20); UMTS/WCDMA: 2100 MHz (B1), 1900 MHz (B2), 850 MHz (B5), 900 MHz (B8); 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
Standard	LTE: 3GPP Release 9, UMTS: 3GPP Releases 5, 6, 7, 8, GSM/GPRS/EDGE: 3GPP Release 99, GERAN Feature Package #1, CDMA (Americas): TIA/EIA/IS-2000.1 through .6. cdma2000® 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 Compatibility Standard for Dual-Mode Spread Spectrum Systems. December 4, 1998; TIA/EIA/IS-. cdma2000® High Rate Packet Data Air Interface Specification. Nov. 2000	Transmission rate	Max. download rate: 100 Mbps, Max. upload rate: 50 Mbps
Transmit power	LTE Bands 1, 2, 3, 4, 5, 8, 13, 17, 20, 25: +23 dBm ± 1 dB; LTE Band 7: +22 dBm ± 1 dB, UMTS Bands 1, 2, 4, 5, 8 : +23 dBm ± 1 dB, GSM850 CS and EGSM900 CS: +32 dBm ± 1 dB (mode GMSK) +27 dBm ± 1 dB (mode 8PSK), DCS1800 CS and PCS1900 CS: +29 dBm ± 1 dB (mode GMSK) +26 dBm ± 1 dB (mode 8PSK), CDMA: Band Class 0 (Cellular) +24 dBm +0.5/-1 dB; Band Class 1 (PCS) +24 dBm +0.5/-1 dB; Band Class 10 (Cellular) +24 dBm +0.5/-1 dB	Wireless module	LTE / HSPA+ multiband wireless module (4G / 3G / 2G) for fast wireless Internet access

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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)		

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

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)
Transparent bridge	6-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 temperature, max.	70 °C
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)
	2x SMA female		
Digital outputs	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	6 * RJ45 10/100/1000BaseT(X)	RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port
Reset button	Restoration of factory settings	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	DB9 RS-232
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	0.8 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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Technical data**Classifications**

ETIM 6.0	EC001478	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
Engineering Data	STEP
Product Change Notification	Firmware Release Notes Product Change Notification IE-SR-2/6GT-series
Software	SNMP MIB file u-link VPN-Client - Version 2.0.194 Router Search Utility Firmware
User Documentation	Hardware Installation Guide Manual u-link Technical User Guide User Note - Secure Router Configuration