

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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), EU-model, Gigabit Ethernet, 6 * RJ45 10/100/1000BaseT(X), IP20, -20 °C...70 °C |
| Order No.           | <a href="#">2535960000</a>                                                                                                                                  |
| Type                | IE-SR-6GT-LTE/4G-EU                                                                                                                                         |
| GTIN (EAN)          | 4050118547634                                                                                                                                               |
| Qty.                | 1 pc(s).                                                                                                                                                    |
| Delivery status     | <b>This article will no longer be available in the future.</b>                                                                                              |
| Available until     | 2022-10-31                                                                                                                                                  |
| Alternative product | <a href="#">2873920000</a>                                                                                                                                  |
| Replacement parts   | <a href="#">1347870000</a> <a href="#">1347850000</a>                                                                                                       |

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**Technical data****Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 136 mm  | Depth (inches)  | 5.354 inch |
| Height     | 170 mm  | Height (inches) | 6.693 inch |
| Width      | 57 mm   | Width (inches)  | 2.244 inch |
| Net weight | 1,000 g |                 |            |

**Temperatures**

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

**Mobile radio interface**

|                                |                                                                                                                                                                                                                         |          |  |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Frequency band                 | EMEA/Australia: LTE: 2 100 MHz (B1), 1800 MHz (B3), 2600 MHz (B7), 900 MHz (B8), 800 MHz (B20); UMTS/WCDMA: 2 100 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                                                                        |          |  |
| Transmission rate mobile radio | LTE category                                                                                                                                                                                                            | CAT 4    |  |
|                                | Download rate, max.                                                                                                                                                                                                     | 150 Mbps |  |
|                                | Upload rate, max.                                                                                                                                                                                                       | 50 Mbps  |  |
| 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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## Technical data

## 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                                        |           |                                                                           |

## 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 °C                     |                                                                                                  |
| Operating temperature, min. | -20 °C                    |                                                                                                  |
| Storage temperature, max.   | 85 °C                     |                                                                                                  |
| Storage temperature, min.   | -20 °C                    |                                                                                                  |

Creation date August 18, 2023 9:47:25 AM CEST

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## Guarantee

|               |         |
|---------------|---------|
| Time interval | 3 years |
|---------------|---------|

## 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<br>Alarm: indicates a configurable network state or fault (24 V out), VPN-active: indicates an active VPN connection (24 V out) | Function reset button    | Restoration of factory settings                                                                                                     |
| 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<br>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)                                                                                                                      | 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

## Technology

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard | <p>LTE: 3GPP Release 9,<br/>UMTS: 3GPP Releases 5,<br/>6, 7, 8, GSM/GPRS/EDGE:<br/>3GPP Release 99, GERAN<br/>Feature Package # 1,<br/>CDMA (Americas): TIA/<br/>EIA/IS-2000.1 through .6.<br/>cdma2000® Standards<br/>for Spread Spectrum<br/>Systems. Release 0.<br/>April 2000; TIA/EIA/<br/>IS-2000.1-1 through .6-1.<br/>cdma2000® Addendum<br/>1 April 2000; TIA/EIA/<br/>IS-2000.1-2 through .6-2.<br/>cdma2000® Addendum<br/>2 June 2001; TIA/EIA/<br/>IS-95-B. Mobile Station-<br/>Base Station Compatibility<br/>Standard for Dual-Mode<br/>Spread Spectrum Systems.<br/>December 4, 1998; TIA/<br/>EIA/IS-. cdma2000®<br/>High Rate Packet Data Air<br/>Interface Specification.<br/>Nov. 2000</p> |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## WLAN interface

|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| Transmission rate | <p>Max. download rate: 100<br/>Mbps, Max. upload rate:<br/>50 Mbps</p> |
|-------------------|------------------------------------------------------------------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001478    | ETIM 7.0    | EC001478    |
| ETIM 8.0    | 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 |

## Environmental Product Compliance

|            |                                      |
|------------|--------------------------------------|
| 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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### Downloads

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