

## IE-SR-4GT

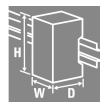
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Gigabit Ethernet, 4x RJ45 10/100/1000BaseT(X), IP20, -25 °C...70 °C |
| Order No.  | <a href="#">2873910000</a>  |
| Type       | IE-SR-4GT   |
| GTIN (EAN) | 4064675647676   |
| Qty.       | 1 items   |

## IE-SR-4GT

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## Technical data

### Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate no. (cULus) | E141197                    |

### Dimensions and weights

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Depth      | 115 mm | Depth (inches)  | 4.5275 inch |
| Height     | 150 mm | Height (inches) | 5.9055 inch |
| Width      | 35 mm  | Width (inches)  | 1.378 inch  |
| Net weight | 560 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) | 7a, 7cl, 7cII                        |  |  |
| REACH SVHC                           | Lead 7439-92-1                       |  |  |
| SCIP                                 | 1bb4009c-24f3-4115-ab13-f6bde3580fe2 |  |  |

### EMC conformity and approvals

|               |                             |                 |                            |
|---------------|-----------------------------|-----------------|----------------------------|
| EMC standards | EN 61000-6-4, EN 61000-6-2  | Vibration       | according to IEC 60068-2-6 |
| Shock         | according to IEC 60068-2-27 | Safety standard | UL 61010-1, UL 61010-2-201 |

### 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                    |                 |  |
| Operating altitude          | Altitude, max.            | 2000 m          |  |
|                             | Note                      | in acc. with UL |  |

### 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<br>10/100/1000BaseT(X)                |
| Function reset button | Restoration of factory settings  | Digital outputs | Alarm: indicates a configurable network state |

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| 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) | SCM-Card slot type | or fault (24 V out), VPN-active: indicates an active VPN connection (24 V out), 1x<br>Smart Card (ID-000 format), Save and restore the configuration using smart card (memory chip)      |
| 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-pole terminal block  |
| 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) |

### MTBF

|      |                              |                  |
|------|------------------------------|------------------|
| MTBF | According to Standard        | Telcordia SR-332 |
|      | Operating time (hours), min. | 1024146 h        |

### 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 |
| 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              | 24 V DC, 1 single input          |        |
| Overload current protection | Yes                              |        |
| Connection type             | 1 removable 4-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                          | 1.3 A  |

### Routing Features

|               |  |                    |   |
|---------------|--|--------------------|---|
| NAT functions | Source / Destination NAT (Port / Host / Network) | Firewall functions | Stateful Packet Inspection Firewall (Layer-3), Transparent bridge |
|---------------|--|--------------------|---|

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## Technical data

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|---------------|---|-------------------|---|
| VPN functions | u-link client, OpenVPN (Server or Client), IPSec (Initiator or Responder) | Routing functions | mode (4-port switch with additional Layer-2 filter)<br>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 |
|----------|--|----------|---|

### 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. |
|---------------------|--|

### 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 |             |             |

## Accessories

### u-link Remote Access Service



The Weidmüller u-link remote access service offers an easy possibility to securely access ethernet devices in a remote network.

With the u-link VPN Server as the central meeting point server, the VPN clients (service PC and Weidmüller u-link client devices) always connect outbound and thus conform to the typical IT security requirements. Separate database and server instances are used for each u-link customer account (secure client isolation) to ensure data integrity.

Communication between the u-link VPN server and remote clients (service PCs and u-link client devices) takes place via a certificate-protected openVPN connection. The u-link creed is "configuration instead of programming" the use is intuitive and does not require expert knowledge.

Featureset:

- 1-click VPN remote access for service PC's
- easyAccess: web, rdp or vnc connections to remote hosts fully browser based for use with tablet or smartphone
- Organization and Group Management
- Topologies including 3rd party end-devices
- Firmware management: Display of firmware status of all routers and the option of a time-controlled, automated firmware update
- Individual access rights: granular configuration of access rights to devices in the target network
- Extensive event log: Presentation of all activities in the u-link portal with extensive filter and export functions
- Password policy: Increased security through configurable specification of minimum requirements for password quality and validity period

Weidmüller offers the following usage variations and additional options for the u-link Remote Access Service:

Basic version:

- Automatically assigned by registering at u-link.weidmueller.com
- Free use for 6 months, extended to 365 days when registering a new u-link client device
- Full featureset
- Unlimited users
- Max. 50 u-link capable devices (access points to a remote network)
- 1 simultaneous VPN connection
- No data or speed limitations (subject to normal market usage)

Extensions

- Additional 50/100/250/500/1000 or more u-link capable devices
- Additional simultaneous VPN connections
- China-VPN: secure and reliable VPN connection to and from China

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## Accessories

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | U-LINK-BASIC-EXTENSION...  | Version   |
| Order No.  | <a href="#">3024610000</a> | License code for u-link Remote Access Service., Extends the period of |
| GTIN (EAN) |                            | the basic license by 1 year.  |
| Qty.       | 1 ST                       |   |
| Type       | U-LINK-50-DEVICES-1Y       | Version   |
| Order No.  | <a href="#">2870090000</a> | License code for u-link Remote Access Service., Adds 50 additional    |
| GTIN (EAN) |                            | configurable u-link clients on Weidmüller hardware to the basic       |
| Qty.       | 1 ST                       | license and extends the period of the basic license accordingly.      |
| Type       | U-LINK-100-DEVICES-1Y      | Version   |
| Order No.  | <a href="#">2870100000</a> | License code for u-link Remote Access Service., Adds 100 additional   |
| GTIN (EAN) |                            | configurable u-link clients on Weidmüller hardware to the basic       |
| Qty.       | 1 ST                       | license and extends the period of the basic license accordingly.      |
| Type       | U-LINK-250-DEVICES-1Y      | Version   |
| Order No.  | <a href="#">2870110000</a> | License code for u-link Remote Access Service., Adds 250 additional   |
| GTIN (EAN) |                            | configurable u-link clients on Weidmüller hardware to the basic       |
| Qty.       | 1 ST                       | license and extends the period of the basic license accordingly.      |
| Type       | U-LINK-500-DEVICES-1Y      | Version   |
| Order No.  | <a href="#">2870120000</a> | License code for u-link Remote Access Service., Adds 500 additional   |
| GTIN (EAN) |                            | configurable u-link clients on Weidmüller hardware to the basic       |
| Qty.       | 1 ST                       | license and extends the period of the basic license accordingly.      |
| Type       | U-LINK-1000-DEVICES-1Y     | Version   |
| Order No.  | <a href="#">2924220000</a> | License code for u-link Remote Access Service., Adds 1000 additional  |
| GTIN (EAN) |                            | configurable u-link clients on Weidmüller hardware to the basic       |
| Qty.       | 1 ST                       | license and extends the period of the basic license accordingly.      |
| Type       | U-LINK-1-CONNECTION-1Y     | Version   |
| Order No.  | <a href="#">2870130000</a> | "VPN connection" licence code for u-link Remote Access Service. Can   |
| GTIN (EAN) |                            | be used as an additional VPN connection or to extend the period of a  |
| Qty.       | 1 ST                       | VPN connection that has already been activated                        |
| Type       | U-LINK-CNSERVER-1Y         | Version   |
| Order No.  | <a href="#">2870140000</a> | License code for u-link Remote Access Service., Allows the use of the |
| GTIN (EAN) |                            | server in China for a secure and reliable VPN connection to and from  |
| Qty.       | 1 ST                       | China.  |

## Mounting kit for 19" rack assembly

- For assembling DIN rail-based devices on 19" racks



## General ordering data

|            |                            |                           |
|------------|----------------------------|---------------------------|
| Type       | RM-KIT                     | Version                   |
| Order No.  | <a href="#">1241440000</a> | Kit for 19"-rack mounting |
| GTIN (EAN) | 4050118029154              |                           |
| Qty.       | 1 ST                       |                           |

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## Accessories

## Ethernet



- Suitable for Cat. 5 (up to 100 MHz) and Cat. 6 (up to 250 MHz Class E)
- Suitable for PoE+ (according to IEEE 802.3at, IEEE 802.3bt Type 3 and 4)
- Protection of all wire pairs
- Connection via RJ45 sockets
- Metal housing

## General ordering data

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | VDATA CAT6                 | Version   |  |
| Order No.  | <a href="#">1348590000</a> | Terminal rail fixing, Surge protection, Cat.6, PoE, 802.3 bt at Type 1, |  |
| GTIN (EAN) | 4050118153002              | 802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4              |  |
| Qty.       | 1 ST                       |   |  |

## Industrial Security Router



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  - Stateful packet inspection Firewall
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  - Network segmentation
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- 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

|            |                            |                   |  |
|------------|----------------------------|-------------------|--|
| Type       | IE-EBR-SMARTCARD-SR        | Version           |  |
| Order No.  | <a href="#">2909820000</a> | Router smartcard, |  |
| GTIN (EAN) | 4099986227361              |                   |  |
| Qty.       | 1 ST                       |                   |  |