

## IE-SR-4GT-M

Weidmüller Interface GmbH & Co. KG  
Klingenbergsstraße 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), DNV, IP20, -25 °C...70 °C
Order No.	<a href="#">2990450000</a>
Type	IE-SR-4GT-M
GTIN (EAN)	4099986863521
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	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)	6al, 7a, 7cl, 7cll
REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

## 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	Ship use	DNV

## 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		

## Guarantee

Time interval	3 years
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## 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	VPN-initiate: establishes a pre-configured VPN connection (24 V in), Cut: physically disconnects	SCM-Card slot type	Smart Card (ID-000 format), Save and restore the configuration using smart card (memory chip)

## Technical data

USB port	(Link Down) the WAN port (24 V in), Trigger pre-configured packet filter rules (24 V in), galvanically isolated	Serial port	1x RS-485, 2-wire, galvanically isolated, 1 removable 3-pin 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)

## 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	Galvanically isolated, 24 V DC						
Overload current protection	Yes						
Connection type	1 removable 3-pin terminal block						
Voltage supply range	<table border="1"> <tr> <td>Voltage type</td> <td>DC</td> </tr> <tr> <td>Voltage, min.</td> <td>19.2 V</td> </tr> <tr> <td>Voltage, max.</td> <td>28.8 V</td> </tr> </table>	Voltage type	DC	Voltage, min.	19.2 V	Voltage, max.	28.8 V
Voltage type	DC						
Voltage, min.	19.2 V						
Voltage, max.	28.8 V						
Current consumption	<table border="1"> <tr> <td>Voltage</td> <td>24 V</td> </tr> <tr> <td>Current</td> <td>1.3 A</td> </tr> <tr> <td>Voltage type</td> <td>DC</td> </tr> </table>	Voltage	24 V	Current	1.3 A	Voltage type	DC
Voltage	24 V						
Current	1.3 A						
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

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**Technical data****Technology**

Standard	IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE- TX, IEEE 802.3ab for 1000BASE-T
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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		

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

## 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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## General ordering data

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