

**IE-SR-6GT-LAN****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Gigabit Ethernet, 6 * RJ45 10/100/1000BaseT(X), IP20, -20 °C...70 °C |
| Order No.  | <a href="#">2535940000</a>                                                                           |
| Type       | IE-SR-6GT-LAN                                                                                        |
| GTIN (EAN) | 4050118547610                                                                                        |
| Qty.       | 1 pc(s).                                                                                             |

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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 |
| Net weight     | 1,000 g    | Width           | 57 mm      |
| Width (inches) | 2.244 inch |                 |            |

## Temperatures

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

## 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 (HHTTP/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                                                                                                                                                                                                                                                   |         |                                                                                                                                                                                                                                                  |

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**Technical data****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 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

|                 |                                                                                                                                     |                          |                                                                                                                              |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 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          | 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, Port LED: Link/ACT, Speed (RJ45 port)                      | Number of SCM-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                                           |
| 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)                                |
| 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 |

## 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 |

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### Downloads

|                                             |                                                         |
|---------------------------------------------|---------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Declaration of Conformity</a>            |
| Engineering Data                            | <a href="#">STEP</a>                                    |
| Product Change Notification                 | <a href="#">Firmware Release Notes</a>                  |
| Software                                    | <a href="#">SNMP MIB file</a>                           |
|                                             | <a href="#">u-link VPN-Client - Version 2.0.194</a>     |
|                                             | <a href="#">Router Search Utility</a>                   |
|                                             | <a href="#">Firmware</a>                                |
| User Documentation                          | <a href="#">Hardware Installation Guide</a>             |
|                                             | <a href="#">Manual</a>                                  |
|                                             | <a href="#">u-link Technical User Guide</a>             |
|                                             | <a href="#">User Note - Secure Router Configuration</a> |