

IE-SR-6GT-LAN

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, Gigabit Ethernet, 6 * RJ45 10/100/1000BaseT(X), IP20, -20 °C...70 °C
Order No.	2535940000
Type	IE-SR-6GT-LAN
GTIN (EAN)	4050118547610
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-10-31
Replacement parts	1347870000 1347850000
Alternative product	2751270000

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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		

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		

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Miscellaneous

Diagnosics	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		

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)
Function reset button	Restoration of factory settings	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 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)
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
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

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Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity UK Declaration of Conformity Manufacturer's declaration for operating altitude
Engineering Data	CAD data – STEP
Product Change Notification	Firmware Release Notes
Software	Software – u-link VPN-Client Software – Router Search Utility Device description – SNMP MIB file Firmware – Current Firmware
User Documentation	Hardware Installation Guide Manual u-link Technical User Guide User Note - Secure Router Configuration
Catalogues	Catalogues in PDF-format