

Industrial Ethernet IE-SR-2GT-LAN

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Product image



High performance industrial-security router

- Variations with 2 or 6 Gigabit ports
- NAT masquerading, 1:1 network mapping and port forwarding
- VPN function (u-link Remote Access Service, OpenVPN and IPsec)
- Key switch function to control a WAN/VPN connection
- 6-port variations with expanded routing functionality
- Variations with integrated 4G/LTE modem for high-speed, internet-based mobile communications access
- Cost-efficient variation without VPN functionality for NAT and security applications (1489940000, IE-SR-2GT-LAN-FN)
- Variations with DNV-GL approval for use in a maritime environment

General ordering data

Type	IE-SR-2GT-LAN
Order No.	1345270000
Version	Security/NAT/VPN/U-link Router, Gigabit Ethernet, 2 * RJ45 10/100/1000BaseT(X), IP20, -20 °C...70 °C
GTIN (EAN)	4050118149807
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	35 mm	Width (inches)	1.378 inch
Height	170 mm	Height (inches)	6.693 inch
Depth	140 mm	Depth (inches)	5.512 inch
Net weight	550 g		

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

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		

DSL and UMTS/HSPA

DSL	Connection of DSL modem via LAN or WAN port, Free configuration of PPPoE access data	DynDNS	Support for automatic registration
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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

IP router	IP routing (IPv4, Layer-3) with SPI firewall (Stateful Packet Inspection)	Transparent bridge	2-port switch with additional layer-2 filter
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EMC conformity and approvals

EMC standards	FCC Part 15, Class A, EN 61000-6-4, EN 61000-6-2	Security	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, Section, Alarm, Active VPN connection	Number of ports	2 * RJ45 10/100/1000BaseT(X)
RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode	Reset button	Restoration of factory settings
SCM card reader	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

MTBF

MTBF	135,270 hrs
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Data sheet

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Power supply

Current consumption	Voltage supply	1x 24 V DC (7 to 36 V DC), NEC class 2, (for use in conformity with UL specifications: 7 - 30 V DC)
max. 0.6 A at 24 V DC		

Technical data

Housing main material	diecast aluminium	Protection degree	IP20
Type of mounting	Rail, VESA 75		

Classifications

ETIM 5.0	EC001478	ETIM 6.0	EC001478
eClass 6.2	19-17-01-03	eClass 7.1	19-17-01-03
eClass 8.1	19-17-01-03	eClass 9.0	19-17-01-03
eClass 9.1	19-17-01-03		

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
Brochure/Catalogue	CAT 9 IETH 15/16 EN
Engineering Data	STEP
Product Change Notification	Firmware Release Notes
Software	SNMP MIB file u-link VPN-Client - Version 2.0.129 Router Search Utility Firmware - Version 3.2.3
User Documentation	Hardware Installation Guide Manual u-link Technical User Guide User Note - Secure Router Configuration