

**Industrial Ethernet
IE-SR-2GT-UMTS/3G****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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**High-performance Industrial Security Router with
integrated firewall**

- 2 Gigabit ports (LAN/WAN)
- NAT masquerading, 1:1 network mapping and port forwarding
- VPN function (OpenVPN, IPsec)
- Key switch function for disabling/enabling the WAN/VPN connection
- Version with integrated 3G/UMTS modem for high-speed, internet-based wireless access

General ordering data

Type	IE-SR-2GT-UMTS/3G
Order No.	1345250000
Version	LAN / WAN router, with integrated UMTS / 3G modem, Gigabit Ethernet, 2x 10/100/1000BaseT(X), IP 20, -20 °C...+70 °C
GTIN (EAN)	4050118149715
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	35 mm	Height	255 mm
Depth	134 mm	Net weight	550 g

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 (HHTP/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
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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
UMTS/3G	Integrated quad-band UMTS/HSPA modem (only IE-SR-2GT-UMTS/3G version), GSM/GPRS/EDGE 850/900/1800/1900 MHz, UMTS/WCDMA/HSDPA/HSUPA 850/900/1900/2100 MHz, Peak Downlink 21.1 Mbps, Peak Uplink 5.76 Mbps, FCC, CE, IC, NCC, PTCRB, Bell, AT&T		

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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

IP router	Static or dynamic routing, Supports RIPv2 / OSPF	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 55022 Class A, EN 61000-4-2, -3, -4, -5, -6	Security	UL508, In preparation
Shock resistance IEC 60068-2-27	Available	Vibration resistance IEC 60068-2-6	Available

Environmental conditions

Humidity	6 to 90% (non-condensing)	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 and active UMTS connection	RJ45 ports	
Reset button	Restoration of factory settings	SCM card reader	2x 10/100/1000BaseT(X) Save and restore the configuration using smart card (memory chip)
USB port	Option for future enhancements		

MTBF

MTBF	103,080 hrs
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Order data

Operating temperature	-20 °C...+70 °C
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Power supply

Current consumption	0.6 A at 24 V DC	Supply voltage	1x 24 V DC (7 to 36 V DC)
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Technical data

Housing main material	metal	Protection degree	IP 20
Type of mounting	TS 35		

Classifications

eClass 6.2	19-17-01-03
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Approvals

Approvals



ROHS	Conform
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Downloads

Manual	Manual
Package insert	Hardware Installation Guide
Technical note Remote access (Part 1)	Description for secure access to Ethernet devices of remote networks using the mobile connection of Router IE-SR-2GT-UMTS/3G running as OpenVPN server (Layer 2 bridging mode)
Technical note Remote access (Part 2)	Scenario description for secure access of remote network devices using a Router as OpenVPN client and a PC running as public accessible OpenVPN server (Meeting-Point)
Declaration of Conformity	K5380613.pdf
SNMP MIB file	SNMP MIB file
Tools	Router Search Utility
Firmware	Version 2.3.2
	3-D model