

IE-SR-4TX-LTE/4G-EU

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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, with integrated multi-band modem (4G/3G/2G), EU-model, Fast Ethernet, 4x RJ45 10/100BaseT(X), IP30, -30 °C...70 °C
Order No.	2751280000
Type	IE-SR-4TX-LTE/4G-EU
GTIN (EAN)	4050118899962
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	94.8 mm	Depth (inches)	3.732 inch
Height	134.5 mm	Height (inches)	5.295 inch
Width	29.9 mm	Width (inches)	1.177 inch
Net weight	213 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-30 °C...70 °C
Humidity	5 - 90 %, no condensation		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Mobile radio interface

Frequency band	EMEA, LTE: B1 (2100), B3 (1800), B7 (2600), B8 (900), B20 (800DD), UMTS/WCDMA: B1 (2100), B8 (900), GSM/GPRS/EDGE: B3 (1800), B8 (900)		
Mode of operation	Permanent connection, Manual connection control via web interface		
Transmission rate mobile radio	LTE category	CAT 4	
	Download rate, max.	150 Mbps	
	Upload rate, max.	50 Mbps	
Transmit power	LTE: +23 dBm +2.7/-2.7 dB (Power Class 3), WCDMA : 24 +1/-3 dBm (Power Class 3), GSM900: 33 ± 2 dBm (Power Class 4), GSM1800: 30 ± 2 dBm (Power Class 1)		
Wireless module	multi-band modem (4G/3G/2G)		

VPN

IPsec	Configurable as IPsec server or client	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
u-link	OpenVPN-based remote access service via the Weidmüller u-link cloud		

Modes of operation

IP router	IP routing (IPv4, Layer-3) with SPI firewall (Stateful Packet Inspection), Static or dynamic routing, Supports RIPv2 / OSPF	Transparent bridge	4-port switch with additional Layer-2 filter
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EMC conformity and approvals

EMC standards	EN 55032, EN 55024, EN 61000-6-2, EN 61000-6-4	Safety standard	SELV according to EN 62368-1, EN 62311
Shock	according to IEC 60068-2-27	Vibration	according to IEC 60068-2-6
Wireless	EN 301 489-1, EN 301 489-52, EN 301 511, EN 301 908-1, EN 301 908-2		

Creation date October 11, 2021 8:03:21 AM CEST

Catalogue status 27.09.2021 / We reserve the right to make technical changes.

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Environmental conditions

Humidity	5 - 90 %, no condensation	Operating temperature, max.	70 °C
Operating temperature, min.	-30 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Guarantee

Time interval	3 years
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Interfaces

Connector for external antennas	1x SMA female	Digital inputs	1x, galvanically isolated, VPN-initiate: establishes a pre-configured VPN connection (24 V in), Cut: physically disconnects (Link Down) the WAN port (24 V in), Trigger pre-configured packet filter rules (24 V in)
Function reset button	Restoration of factory settings	LED indicator	Power: indicates power supply status, boot-up process, firmware update process, Status: indicates system status, VPN: indicates VPN tunnel status, LTE/4G: indicates mobile radio connection status, Port LED: Link/ACT, Speed (RJ45 port)
Number of SCM-Card slots	1	Number of SIM-Card slots	1
Number of ports	4x RJ45 10/100BaseT(X)	RJ45 ports	10/100BaseT(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)	SIM-Card slot type	Mini-SIM (ID-000 format)
Serial port	1x RS-485, 2-wire, galvanically isolated, 1 removable 3-pole terminal block		

Management features

Device configuration	Webbrowser (HTTP/HTTPS), SNMP v1/v2c/v3, Windows tool	Monitoring function	SNMP v1/v2c/v3, Syslog
IP-address management	Static, DHCP-Client, DHCP-Server (pool-based), DHCP-Relay	Security functions	IPv4 Stateful Packet Inspection Firewall (incoming/outgoing), NAT masquerading, 1:1 NAT, IP forwarding, Port forwarding
Time synchronization management	NTP client	Industrial protocol support	Modbus/TCP slave

Power supply

Connection type	1 removable 4-pin terminal block
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Technical data

Current consumption	Voltage	24 V
	Current	0.8 A
Reverse polarity protection	Yes	
Voltage supply	24 V DC, 1 single input	
Voltage supply range	Voltage type	DC
	Voltage, min.	19.2 V
	Voltage, max.	28.8 V

Technical data

Housing main material	Plastic	Protection degree	IP30
Speed	Fast Ethernet	Type of mounting	DIN rail

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		

Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity RCM Declaration of Conformity
Engineering Data	STEP
Product Change Notification	Firmware Release Notes
Software	SNMP MIB file u-link VPN-Client - Version 2.0.194 Router Search Utility Firmware
User Documentation	u-link Technical User Guide User Note - Secure Router Configuration Hardware Installation Guide Manual
Catalogues	Catalogues in PDF-format