

IE-SR-2TX-WL

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 Router, Fast Ethernet, 2x RJ45 10/100BASE-T(X), 1x DB9 male for RS-232/422/485, IP30, -25 °C...70 °C
Order No.	2682590000
Type	IE-SR-2TX-WL
GTIN (EAN)	4050118692129
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	81 mm	Depth (inches)	3.189 inch
Height	95 mm	Height (inches)	3.74 inch
Width	45 mm	Width (inches)	1.772 inch
Net weight	650 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...70 °C
Operating temperature, min.	-25 °C	Operating temperature, max.	70 °C
Humidity	5 to 95 % (non-condensing)		

EMC conformity and approvals

EMC standards	EN 55032, EN 55024, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 Ghz: 3 V/m, IEC 61000-4-4 EFT: Power: 0.5 kV; Signal: 0.5 kV, IEC 61000-4-5 Surge: Power: 0.5 kV; Signal: 1 kV, IEC 61000-4-6 CS: 3 Vrms	Free fall	According to IEC 60068-2-31
Safety standard	SELV according to EN 62368-1, UL 61010-1, UL 61010-2-201	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

Environmental conditions

Humidity	5 to 95 % (non-condensing)		
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.	-25 °C		
Storage temperature, max.	85 °C		
Storage temperature, min.	-40 °C		

Guarantee

Time interval	5 years
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Interfaces

Connector for external antennas	1x RP-SMA female	Digital inputs	1x, 5 to 30 V for logic "1", 0 to 2 V for logic "0"
Digital outputs	1x, with a current capacity of 0.2 A at 30 V DC	Function reset button	<5 sec: System reboot and set LAN IP to factory Default, >5 sec: Factory default
Number of ports	2x RJ45 10/100BASE- T(X), 1x DB9 male for RS-232/422/485		

MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	381,084 h

Management features

Device configuration	Webbrowser (HTTP/ HTTPS), SNMP v2c, Command Line Interface (Telnet/SSH), Upload of a configuration file via web- interface	Monitoring function	SNMP v2c, Syslog, Event based warning via E-Mail, Event based warning via relay, Event based warning via SNMP trap
IP-address management	Static, DHCP-Client, DHCP- Server (pool-based), DHCP- Relay, DNS-Relay	Security functions	Access Control List (MAC- based) for WLAN Access Point mode
Time synchronization management	NTP server, NTP client	Operating modes	WLAN Access Point, WLAN Client, Virtual COM mode, TCP Server mode, TCP Client mode, UDP Server/Client mode

Power supply

Connection type	1 removable 4-pin terminal block		
Current consumption	Voltage	12 V DC	
	Current	0.22 A	
	Voltage	24 V DC	
	Current	0.11 A	
	Voltage	48 V DC	
	Current	0.07 A	
Overload current protection	Yes		
Reverse polarity protection	Yes		
Voltage supply	12/24/48 V DC, 2 redundant inputs, or 48 V DC Power-over-Ethernet (IEEE 802.3af)		
Voltage supply range	Voltage type	DC	
	Voltage, min.	10.8 V	
	Voltage, max.	52.8 V	

Routing Features

Firewall functions	Stateful Packet Inspection Firewall (Layer-3)	NAT functions	Source / Destination NAT (Port / Host / Network)
Routing functions	IPv4 routing, Static and dynamic IP Routing	VPN functions	OpenVPN (Server or Client)

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Catalogue status 09.01.2023 / We reserve the right to make technical changes.

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Serial communication parameters

Baud rate	110 bit/s to 460800 bit/s	Data bits	7, 8
Parity	none, odd, even, Mark, Space	Stop bits	1, 2

Technical data

Housing main material	Metal	Protection degree	IP30
Speed	Fast Ethernet	Type of mounting	DIN rail, Wall mounting

Technology

Standard	IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX, IEEE 802.3af for Power-over-Ethernet, IEEE 802.11b/g/n for Wireless LAN
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WLAN interface

Data security	64-bit and 128-bit WEP encryption, WPA/WPA2 Personal and Enterprise (IEEE 802.1X/RADIUS, TKIP and AES)		
Transmission rate WLAN	Standard	IEEE 802.11b	
	max.	11 Mbps	
	min.	1 Mbps	
	Standard	IEEE 802.11g	
	max.	54 Mbps	
	min.	6 Mbps	
	Standard	IEEE 802.11n	
	max.	150 Mbps	
	min.	6.5 Mbps	

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

Approvals

Approvals



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

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Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity UK Declaration of Conformity RCM Declaration of Conformity Manufacturer's declaration for operating altitude
Engineering Data	CAD data – STEP
Product Change Notification	Firmware Release Notes
Software	Software – ComServer/Modbus-Gateway Utility (Virtual COM Port Driver) Firmware – Current Firmware
User Documentation	Hardware Installation Guide User manual
Catalogues	Catalogues in PDF-format

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Accessories

Antennas and antenna accessories (coax cables and mounts)



Antennas and antenna accessories (coax cables and mounts)

- State-of-the-art antennas
- Industry proven
- Robust design (up to IP67 protection)
- For outdoor and indoor use
- Latest technology support
- Up to Wi-Fi 6 and Wi-Fi 6E (2.4 GHz, 5 GHz, 6 GHz)
- Up to 5G (NR) support (700 MHz - 3.8 GHz)
- Also support for other technologies (e.g. Bluetooth, GNSS, etc.)
- Appropriate coax cables at different lengths
- Suitable pole and wall mounts

General ordering data

Type	IE-ANT-WL-DB-SISO-LO-NF	Version
Order No.	2788110000	Omni-directional antenna, Wi-Fi antenna, Up to Wi-Fi 3 (IEEE 802.11a), Vertical, N female, IP67, Impedance: 50 Ω
GTIN (EAN)	4064675066378	
Qty.	1 pc(s).	
Type	IE-ANT-P-ABG-75-9-NF	Version
Order No.	1367140000	WLAN antenna, Directional antenna, Dual Band (2.4 GHz / 5 GHz), Gain 9 dBi, Vertical, 1x N-type female, bottom, IP67, Impedance: 50 Ω
GTIN (EAN)	4050118186338	
Qty.	1 pc(s).	

Mounting kit for 19" rack assembly

- For assembling DIN rail-based devices on 19" racks



General ordering data

Type	RM-KIT	Version
Order No.	1241440000	Kit for 19"-rack mounting
GTIN (EAN)	4050118029154	
Qty.	1 pc(s).	

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