

IE-SR-4TX

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Weidmüller Industrial Security Routers

- Secure networks
 - Stateful packet inspection Firewall
 - IP/Port- forwarding
 - Network segmentation
- Easy integration of machine networks into manufacturing networks through 1: 1 NAT
- Secure and easy remote maintenance with Weidmüller u-link remote access service
- Enable modular and future proof network architectures with static and dynamic routing
- 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 4 ports.

General ordering data

Version	Security/NAT/VPN/U-link Router, Fast Ethernet, 4x RJ45 10/100BaseT(X), IP30, -30 °C...70 °C
Order No.	2751270000
Type	IE-SR-4TX
GTIN (EAN)	4050118899955
Qty.	1 pc(s).

IE-SR-4TX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

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	175 g		

Temperatures

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

EMC conformity and approvals

EMC standards	EN 55032, EN 55024, EN 61000-6-2, EN 61000-6-4	Safety standard	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 - 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.	-30 °C		
Storage temperature, max.	85 °C		
Storage temperature, min.	-40 °C		

Guarantee

Time interval	3 years
---------------	---------

IE-SR-4TX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technical data

Interfaces

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, Port LED: Link/ACT, Speed (RJ45 port)	Number of SCM-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)	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, Event based warning via SNMP trap
IP-address management	Static, DHCP-Client, DHCP-Server (pool-based), DNS-Relay	Time synchronization management	NTP client, NTP server
Industrial protocol support	Modbus/TCP slave		

Power supply

Connection type	1 removable 4-pin terminal block		
Current consumption	Voltage	24 V	
	Current	0.8 A	
Overload current protection	Yes		
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	

Routing Features

Firewall functions	Stateful Packet Inspection Firewall (Layer-3), Transparent bridge mode (4-port switch with additional Layer-2 filter)	NAT functions	Source / Destination NAT (Port / Host / Network)
Routing functions	IPv4 routing, Static and dynamic IP Routing, RIPv2 / OSPF	VPN functions	u-link client, OpenVPN (Server or Client), IPSec (Initiator or Responder)

Creation date November 26, 2024 12:25:12 PM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

IE-SR-4TX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Technical data**

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

Technology

Standard	IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX
----------	--

Classifications

ETIM 6.0	EC001478	ETIM 7.0	EC001478
ETIM 8.0	EC001478	ETIM 9.0	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	ECLASS 13.0	19-17-04-05
ECLASS 14.0	19-17-04-05		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

Important note

Product information	For the SCM card usage please check the compatibility list for suitable router models and hardware revisions found at the SCM card IE-EBR-SMARTCARD-SR 2909820000.
---------------------	--

Approvals

Approvals



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

IE-SR-4TX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity RCM 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	User Note - Secure Router Configuration Hardware Installation Guide u-link EULA V3 EN (28.5.2018) Manual u-link EULA V4 EN (20.9.2023) Mandatory connection parameters for u-link VPN clients Application notes – Industrial Product Security Guideline
Catalogues	Catalogues in PDF-format