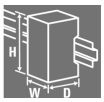
IE-SR-2GT-LTE/4G-US

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

www.weidmueller.com

Product image







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, with integrated multi-band modem (4G/3G/2G), US-model, Gigabit Ethernet, 2x RJ45 10/100/1000BaseT(X), IP20, -20 °C...70
Order No.	2535780000
Type	IE-SR-2GT-LTE/4G-US
GTIN (EAN)	4050118547597
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-10-31
Replacement parts	1347870000 1347850000
Alternative product	2873930000

IE-SR-2GT-LTE/4G-US

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Technical data

Dimensions and weights

Depth	140 mm	Depth (inches)	5.512 inch
Height	170 mm	Height (inches)	6.693 inch
Width	35 mm	Width (inches)	1.378 inch
Net weight	700 g		

Temperatures

Storage temperature	-20 °C...85 °C	Operating temperature	-20 °C...70
Humidity	5 - 90 %, no condensation		

Mobile radio interface

Frequency band	Americas: LTE: Band 2 (1900 MHz), Band 4 (AWS) (1700/2100 MHz), Band 5 (850 MHz), Band 13 (700 MHz), Band 17 (700 MHz), Band 25 (1900 MHz G Block); CDMA EVDO Release 0 y EVDO Release A: BC0 (Cellular 800 MHz), BC1 (PCS 1900 MHz), BC10 (Secondary 800 MHz); UMTS: band 1 (2100 MHz); band 2 (1900 MHz); band 4 (AWS 1700/2100 MHz); band 5 (850 MHz); band 8 (900 MHz); GSM/GPRS/EDGE: Quad-Band (850/900/1800/1900 MHz)	
Mode of operation	Permanent connection, Manual connection control via web interface, Fallback connection with active ICMP monitoring of the target IP via Ethernet	
Transmission rate mobile radio	LTE category	CAT 4
	Download rate, max.	150 Mbit/s
	Upload rate, max.	50 Mbit/s
Wireless module	LTE / HSPA+ multiband wireless module (4G / 3G / 2G) for fast wireless Internet access	

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 (HTTP/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)		

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Technical data

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		

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

EMC conformity and approvals

EMC standards	FCC Part 15, Class A, EN 61000-6-4, EN 61000-6-2	Safety standard	UL508
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	
Operating temperature, min.	-20 °C	
Storage temperature, max.	85 °C	
Storage temperature, min.	-20 °C	

Guarantee

Time interval	3 years

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Technical data

Interfaces

Connector for external antennas	2x SMA female	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)	Function reset button	Restoration of factory settings
LED indicator	Indication of voltage status, Status, CUT, Alarm, Active VPN connection, Mobile radio connection, Port LED: Link/ACT, Speed (RJ45 port)	Number of SCM-Card slots	1
Number of SIM-Card slots	1	Number of ports	2x RJ45 10/100/1000BaseT(X)
RJ45 ports	10/100/1000BaseT(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)	USB port	USB 2.0 interface for firmware update or restoration of the device configuration via USB flash drive

Power supply

Current consumption	Voltage	24 V
	Current	0.6 A
Voltage supply	24 V DC, 1 single input, NEC class 2, (for use in conformity with UL specifications: 7 - 30 V DC)	
Voltage supply range	Voltage type	DC
	Voltage, min.	7 V
	Voltage, max.	36 V

Technical data

Housing main material	diecast aluminium	Protection degree	IP20
Speed	Gigabit Ethernet	Type of mounting	DIN rail, VESA 75

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Technical data

Technology

Standard	LTE: 3GPP Release 9, UMTS: 3GPP Releases 5, 6, 7, 8, GSM/GPRS/EDGE: 3GPP Release 99, GERAN Feature Package #1, CDMA (Americas): TIA/EIA/IS-2000.1 through .6. cdma2000® Standards for Spread Spectrum Systems. Release 0. April 2000; TIA/EIA/IS-2000.1-1 through .6-1. cdma2000® Addendum 1 April 2000; TIA/EIA/IS-2000.1-2 through .6-2. cdma2000® Addendum 2 June 2001; TIA/EIA/IS-95-B. Mobile Station-Base Station Compatibility Standard for Dual-Mode Spread Spectrum Systems. December 4, 1998; TIA/EIA/IS-. cdma2000® High Rate Packet Data Air Interface Specification. Nov. 2000

WLAN interface

Transmission rate	Max. download rate: 100 Mbps, Max. upload rate: 50 Mbps

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

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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Technical data

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity Manufacturer's declaration for operating altitude
Engineering Data	CAD data – STEP
Product Change Notification	Firmware Release Notes Product Change Notification IE-SR-2/6GT-series
Software	Software – u-link VPN-Client Software – Router Search Utility Device description – SNMP MIB file Firmware – Current Firmware
User Documentation	Hardware Installation Guide Manual u-link Technical User Guide User Note - Secure Router Configuration
Catalogues	Catalogues in PDF-format

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Accessories

Ethernet



- Suitable for Cat. 5 (up to 100 MHz) and Cat. 6 (up to 250 MHz Class E)
- Suitable for PoE+ (according to IEEE 802.3at, IEEE 802.3bt Type 3 and 4)
- Protection of all wire pairs
- Connection via RJ45 sockets
- Metal housing

General ordering data

Type	VDATA CAT6	Version
Order No.	1348590000	Terminal rail fixing, Surge protection, Cat.6, PoE, 802.3 bt at Type 1,
GTIN (EAN)	4050118153002	802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4
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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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-3G-806-2500-4-NF	Version
Order No.	1491170000	Mobile radio antenna, Omni-directional antenna, Gain of up to 4 dBi,
GTIN (EAN)	4050118300727	Vertical, Linear, 1x N-type female, bottom, IP66, , Impedance: 50 Ω
Qty.	1 pc(s).	
Type	IE-ANT-CELL/WL-MB-MIMO- ...	Version
Order No.	2788090000	Omni-directional antenna, Cellular antenna, Wi-Fi antenna, Up to 5G
GTIN (EAN)	4064675066354	(NR), Up to Wi-Fi 6 & 6E (IEEE802.11ax), Linear, Vertical, 2x SMA
Qty.	1 pc(s).	male, 2x RP-SMA male, IP67, Impedance: 50 Ω
Type	IE-ANT-3G-806-2170-2-NF	Version
Order No.	1491160000	Mobile radio antenna, Omni-directional antenna, Gain of up to 2 dBi,
GTIN (EAN)	4050118300710	Vertical, Linear, 1x N-type female, bottom, IP54, , Impedance: 50 Ω
Qty.	1 pc(s).	
Type	IE-ANT-CELL-MIMO-DO-SMAM	Version
Order No.	2788120000	Omni-directional antenna, Cellular antenna, Up to 5G (NR), Linear,
GTIN (EAN)	4064675066385	Vertical, 2x SMA male, IP67, Impedance: 50 Ω
Qty.	1 pc(s).	
Type	IE-ANT-CELL-SISO-EO-SMAM	Version
Order No.	2788130000	Omni-directional antenna, Cellular antenna, Up to 5G (support for
GTIN (EAN)	4064675066392	frequencies below 2.7 GHz, e.g., bands n1, n2, n28), Vertical, SMA
Qty.	1 pc(s).	male, IP66, Impedance: 50 Ω
Type	IE-ANT-CELL-SISO-LO-NF	Version
Order No.	2788150000	Omni-directional antenna, Cellular antenna, Up to 5G (NR), Vertical, N
GTIN (EAN)	4064675066415	female, IP66, Impedance: 50 Ω
Qty.	1 pc(s).	

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Accessories

u-link Remote Access Service



The Weidmüller u-link remote access service offers an easy possibility to securely access ethernet devices in a remote network.
With the u-link VPN Server as the central meeting point server, the VPN clients (service PC and Weidmüller u-link client devices) always connect outbound and thus conform to the typical IT security requirements.
Separate database and server instances are used for each u-link customer account (secure client isolation) to ensure data integrity.
Communication between the u-link VPN server and remote clients (service PCs and u-link client devices) takes place via a certificate-protected openVPN connection.
The u-link creed is "configuration instead of programming" the use is intuitive and does not require expert knowledge.

Featureset:

- 1-click VPN remote access for service PC's
- easyAccess: web, rdp or vnc connections to remote hosts fully browser based for use with tablet or smartphone
- Organization and Group Management
- Topologies including 3rd party end-devices
- Firmware management: Display of firmware status of all routers and the option of a time-controlled, automated firmware update
- Individual access rights: granular configuration of access rights to devices in the target network
- Extensive event log: Presentation of all activities in the u-link portal with extensive filter and export functions
- Password policy: Increased security through configurable specification of minimum requirements for password quality and validity period

Weidmüller offers the following usage variations and additional options for the u-link Remote Access Service:

Basic version:

- Automatically assigned by registering at u-link.weidmueller.com
- Free use for 6 months, extended to 365 days when registering a new u-link client device
- Full featureset
- Unlimited users
- Max. 50 u-link capable devices (access points to a remote network)
- 1 simultaneous VPN connection
- No data or speed limitations (subject to normal market usage)

Extensions

- Additional 50/100/250/500/1000 or more u-link capable devices
- Additional simultaneous VPN connections
- China-VPN: secure and reliable VPN connection to and from China

General ordering data

Type	U-LINK-LIC-STD-150-1Y	Version
Order No.	2839150000	Standard 150 unit license for u-link remote access service. Can be used to upgrade an entry version or "Standard 50"
GTIN (EAN)	4050118461602	

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Accessories

Type	U-LINK-LIC-STD-500-1Y	Version
Order No.	2457850000	“Standard 500” version software licence for u-link Remote Access
GTIN (EAN)	4050118472851	Service. Can be used to upgrade an entry version or "Standard
Qty.	1 pc(s).	150/300" versions or to extend period of a “Standard 300” version
Type	U-LINK-LIC-VPN-1Y	Version
Order No.	2447060000	“VPN connection” licence code for u-link Remote Access Service. Can
GTIN (EAN)	4050118461497	be used as an additional VPN connection or to extend the period of a
Qty.	1 pc(s).	VPN connection that has already been activated
Type	U-LINK-LIC-STD-50-1Y	Version
Order No.	2665050000	"Standard 50” version software licence for u-link Remote Access
GTIN (EAN)	4050118682298	Service. Can be used to upgrade an entry version or to extend period
Qty.	1 pc(s).	of a “Standard 50” version”
Type	U-LINK-LIC-STD-300-1Y	Version
Order No.	2457840000	“Standard 300” version software licence for u-link Remote Access
GTIN (EAN)	4050118472844	Service. Can be used to upgrade an entry version or "Standard 150"
Qty.	1 pc(s).	version or to extend the period of a “Standard 300” version”

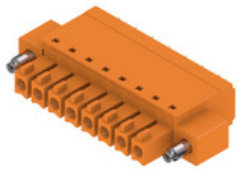
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Replacement parts

BCF 3.81/180F



PUSH IN - Weidmüller's innovative connection system simplifies the wire connection process.
The benefits for users and applications:

- High packaging density due to very low component height. Simply insert the prepared wire - finished
- High component density with the compact SCDN / SCDN-THR two-tier pin header
- Simplified processing due to integrated push buttons for opening the clamping unit
- Intuitive handling – since the wire-entry area and handling area are clearly separated
- tool-free locking and releasing when using Weidmüller's patented release latch (LR)

The Weidmüller plug-in connectors, pitch 3.81 mm (0.15 inch), are compatible with the layout of customary plug-in connectors, can be coded and provide space for printing.

General ordering data

Type	BCF 3.81/04/180F SN BK ...	Version	Product data	Packaging
Order No.	1347870000	PCB plug-in connector, female plug, 3.81 mm, Number of poles: 4,	IEC: 320 V / 17.5 A / 0.14 - 1.5 mm²	Box
GTIN (EAN)	4050118152609	180°, PUSH IN with actuator, Clamping range, max. : 1.5 mm², Box	UL: 300 V / 10 A / AWG 26 - AWG 16	
Qty.	50 pc(s).			

Type	BCF 3.81/03/180F SN BK ...	Version	Product data	Packaging
Order No.	1347850000	PCB plug-in connector, female plug, 3.81 mm, Number of poles: 3,	IEC: 320 V / 17.5 A / 0.14 - 1.5 mm²	Box
GTIN (EAN)	4050118152517	180°, PUSH IN with actuator, Clamping range, max. : 1.5 mm², Box	UL: 300 V / 10 A / AWG 26 - AWG 16	
Qty.	50 pc(s).			