

u-remote Fieldbus coupler

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ID	Typ	Fieldbus	SW Vers.
MOD1	UR20-FBC-MOD-TCP-V2	Modbus-TCP	02.12.00
MOD2	UR20-FBC-MOD-TCP-ECO	Modbus-TCP	01.04.00
PN1	UR20-FBC-PN-IRT-V2	PROFINET	01.16.00
PN2	UR20-FBC-PN-ECO	PROFINET	01.05.00
EIP1	UR20-FBC-EIP	EtherNet/IP	02.15.00
EIP2	UR20-FBC-EIP-V2	EtherNet/IP	01.05.00
EIP3	UR20-FBC-EIP-ECO	EtherNet/IP	01.03.00
CC1	UR20-FBC-CC	CC-Link	01.04.00
CC2	UR20-FBC-CC-TSN	CC-Link TSN	01.05.00
PL1	UR20-FBC-PL	Powerlink	01.14.00
EC1	UR20-FBC-EC	EtherCAT	02.03.00
EC2	UR20-FBC-EC-ECO	EtherCAT	02.03.00
CAN1	UR20-FBC-CAN	CANopen	01.12.00
DN1	UR20-FBC-DN	DeviceNet	01.12.00
PB1	UR20-FBC-PB-DP-V2	PROFIBUS	01.14.00

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This Security Data Sheet provides you with a condensed overview of the security functions of the devices. It is an addition to the product specific documentation

- User manual U-REMOTE xx
- Manual UR20 Webserver xx

Security intended use:

The products of the u-remote series are intended for use in industrial automation systems.

A u-remote station with bus coupler and connected modules is intended for the decentralised control of systems or sub-systems. All modules of a station are integrated into a standard fieldbus structure and connected to the superordinate control unit via the fieldbus coupler.

The connected fieldbus system only fulfills security functions to a limited extent and must be protected by physical access restrictions. Please also observe the fieldbus-specific security information of the corresponding fieldbus standards.

The fieldbus coupler are intended to be used in a restricted access location (e.g. locked cabinet) in a secured network.

In order to protect equipment, systems, machines and networks against cyber threats, it is necessary to implement (and maintain) a complete state-of-the-art industrial security concept. The customer is responsible for preventing unauthorized access to his equipment, systems, machines and networks. Systems, machines and components should only be connected to the corporate network or the Internet if necessary and appropriate safeguards (such as firewalls and network segmentation) have been taken.

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## General information

## Weidmüller PSIRT (Product Security Response Team)

Comment	Link
Weidmueller has established a PSIRT and provides information on product-specific security vulnerabilities and their elimination on the Weidmüller website "Security Advisory Board"	<a href="https://support.weidmueller.com/support-center/popular-resources/security-advisory-board">https://support.weidmueller.com/support-center/popular-resources/security-advisory-board</a>
Weidmueller publishes security vulnerabilities of its products at VDE @CERT.	<a href="https://cert.vde.com/en/">https://cert.vde.com/en/</a>

## Additional Security Documents

Comment	Reference
Weidmüller Security Guideline (in preparation)	„Industrial Product Security Guideline“ at <a href="https://support.weidmueller.com/support-center">https://support.weidmueller.com/support-center</a>

## Weidmüller security activities

Weidmüller will implement a certified Secure Product Development Process according to IEC62443-4-1.

Weidmüller will offer "Secure by Design" products in accordance with IEC62443-4-2. If required, please contact our sales staff

## Additional Support Center information

Headline	Comment	Reference
General	Further product-specific information and help can be found in the Weidmüller Support Center. Use the product type (e.g. IE-SW-AL12M-8GT-4GESFP) in the search field.	<a href="https://support.weidmueller.com/support-center/">https://support.weidmueller.com/support-center/</a>

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## General information

### How to find product information

Device type	<b>Physical/optic:</b> Type plate on device, Label on packaging <b>Web interface:</b> Home: click graphic of fieldbus coupler / sel. „General information“/Name <b>Fieldbus:</b> Fieldbus specific. See u-remote manual for details
Software version	<b>Physical/optic:</b> no <b>Web interface:</b> Home: click graphic of fieldbus coupler / sel. „General information“/Firmware version <b>Fieldbus:</b> Fieldbus specific. See u-remote manual for details
Hardware version	<b>Physical/optic:</b> Type plate on device, Label on packaging <b>Web interface:</b> Home: click graphic of fieldbus coupler / sel. „General information“/Hardware version <b>Fieldbus:</b> Fieldbus specific. See u-remote manual for details
MAC address	<b>Physical/optic:</b> Type plate on device <b>Web interface:</b> Home: click graphic of fieldbus coupler / sel. „General information“ <b>Fieldbus:</b> Fieldbus specific. See u-remote manual for details
Serial number	<b>Physical/optic:</b> Type plate on device, Label on packaging <b>Web interface:</b> Home: click graphic of fieldbus coupler / sel. „General information“/ Serial number <b>Fieldbus:</b> Fieldbus specific. See u-remote manual for details
Software version I/O Module	<b>Physical/optic:</b> no <b>Web interface:</b> Home: click graphic of IO module / sel. „General information“/Firmware version <b>Fieldbus:</b> Fieldbus specific. See u-remote manual for details
Serial number I/O Module	<b>Physical/optic:</b> Type plate on device, Label on packaging <b>Web interface:</b> Home: click graphic of IO module / sel. „General information“/ Serial number <b>Fieldbus:</b> Fieldbus specific. See u-remote manual for details

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## Technical information

### Interfaces

Type	No	Default	Can be changed	Comment
<b>Ethernet</b> MOD1, MOD2, PN1, PN2, EIP1, EIP2, EIP3, CC2, PL1, EC1, EC2	2	Active	Only PN1, PN2, EIP1, EIP2, EIP3	Disable unused ports
<b>RS485</b> PB1, CC1	1	Active	no	
<b>CAN</b> CAN1, DN1	1	Active	no	
<b>USB</b> MOD1, PN1, EIP1, EIP2, CC1, CC2, PL1, EC1, CAN1, DN1, PB1	1	Active	no	
<b>Address switches</b> CC1, PL1, CAN1, DN1, PB1	2	Active	no	Input of the device address

### Network access functions

Function	Default	Can be changed	Comment
No network access function			No special network access functions. For component access see chapter „Component access functions“

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## Component access functions

Function	Default	Can be changed	Comment
Login & Password	Active	Yes	Only one user is supported Default credentials: Login: admin, Password: Detmold Strongly recommended to change to a strong and individual password! Password policy: 4 variants (upper case, lower case, number, special characters), use at least 3 of these 4. Length at least 8, not username Note: Extended functionality is planned for future versions
User Management	Active	Yes	Only one user is supported. Without login the user has read access. Note: Extended functionality is planned for future versions
HTTPS	Active	no	Secure web access. Recommended for web access.
HTTP	Active	Yes	Not secure web access. Not recommended, disable function
Webserver via Ethernet	Active	Yes (except ECO coupler)	Disable the Webserver access via Ethernet if possible.

## Software and Data

Function	Default	Can be changed	Comment
Backup & Restore	On demand		Local Backup & Restore of configuration data settings via web browser is supported. Can also be carried out via the fieldbus. Fieldbus specific see u-remote manual for details
Firmware update	On demand		Local firmware update via Web browser is supported. Firmware update via fieldbus is supported from PL1, EC1, EC2. Firmware is encrypted and secure boot is supported for all coupler except CAN1, DN1
Logging	no	no	Note: Functionality is planned for future versions
Syslog	no	no	Note: Functionality is planned for future versions

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Services and Ports

Function	Port	Protocol	Default	Can be changed	Comment
HTTP	80	TCP	Active	Yes	Web access unsecure
HTTPS	443	TCP	Active	No	Web access secure
SNMP MOD1, MOD2, PN1, PN2, EIP1, EIP2, EIP3, CC2	161	UDP	Active	No	Simple Network Management Protocol
BOOTP MOD1, MOD2, EIP1, EIP2, EIP3, PN1	67	UDP	Active	Yes	
Modbus-TCP MOD1, MOD2	502 1584 1273	UDP/TCP UDP UDP	Active	No	
EtherNet/IP EIP1, EIP2, EIP3	44818 1252 1268	UDP/TCP UDP UDP	Active	No	
PROFINET PN1, PN2	34964 49152 53248	UDP UDP UDP	Active	No	
CC-Link TSN CC2	45238 45239	UDP UDP	Active	No	