

**IOT-GW30-4G-EU****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Features of IoT-Gateways**

- Enables machine data acquisition and provides access to field devices and PLC's via various protocols and interfaces
- Interfaces to your own IT systems as well as to common cloud systems
- Data traffic reduction through preprocessing on edge via the open IoT standard Node-RED
- Secure and easy remote maintenance with Weidmüller u-link Remote Access Service
- Integration of most common communication interfaces in small design
- Open programming platform Node-RED with strong community support

**General ordering data**

Version	IoT Gateway, Fast Ethernet, IP20, -20 °C...60 °C
Order No.	<a href="#">2682630000</a>
Type	IOT-GW30-4G-EU
GTIN (EAN)	4050118691689
Qty.	1 pc(s).

## IOT-GW30-4G-EU

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

Depth	105 mm	Depth (inches)	4.134 inch
Height	125 mm	Height (inches)	4.921 inch
Width	35 mm	Width (inches)	1.378 inch
Net weight	500 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...60 °C
Humidity	5 to 95 % (non-condensing)		

## General data

Shock	according to IEC 60068-2-27
-------	-----------------------------

## Power supply

Connection type	1 removable 6-pin terminal block		
Current consumption	Voltage	24 V	
	Current	0.24 A	
Reverse polarity protection	Yes		
Voltage supply	24 V DC		
Voltage supply range	Voltage type	DC	
	Voltage, min.	19.2 V	
	Voltage, max.	28 V	

## System data

Memory (Flash)	4 GB	Memory (RAM)	1 GB, DDR3
Processor	Dual Core ARM Cortex A9, 600 MHz	Real-time clock	Capacity buffered (max. 5 days)

## General specifications

Protection degree	IP20
-------------------	------

## Mobile radio interface

Frequency band	LTE: 2100MHz (B1), 1800MHz (B3), 850MHz (B5), 2600MHz (B7), 900MHz (B8), 800MHz (B20), 2600MHz (B38), 2300MHz (B40), 2600MHz (B41), UMTS/WCDMA: 2100MHz (B1), 850MHz (B5), 900MHz (B8), GSM/GPRS/EDGE: 900MHz (B8), 1800MHz (B3)		
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		

## VPN

u-link	OpenVPN-based remote access service via the Weidmüller u-link cloud
--------	---------------------------------------------------------------------

## IOT-GW30-4G-EU

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## EMC conformity and approvals

EMC standards	EN 61000-6-3, EN 61000-6-2	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

## Environmental conditions

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	60 °C
Operating temperature, min.	-20 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

## Guarantee

Time interval	2 years
---------------	---------

## Interfaces

Connector for external antennas	SMA (socket)	Digital inputs	2x, >10 V high, <3.6 V low; max. 30 V DC
Digital outputs	1x, 19.2 - 28 V high; max. 1 A	Ethernet ports	2
Number of SIM-Card slots	1	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port
SIM-Card slot type	Micro-SIM	Serial port	1x RS232/RS485
USB port	1x USB 2.0 (Type A; max. 500 mA)		

## Technical data

Housing main material	Metal	Protection degree	IP20
Speed	Fast Ethernet	Type of mounting	DIN rail

## Classifications

ETIM 6.0	EC001099	ETIM 7.0	EC001099
ETIM 8.0	EC001099	ETIM 9.0	EC001099
ECLASS 9.0	19-17-01-00	ECLASS 9.1	19-17-01-00
ECLASS 10.0	19-17-05-90	ECLASS 11.0	19-17-05-90
ECLASS 12.0	19-17-05-90	ECLASS 13.0	19-17-05-90

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	05711a2b-ba3f-4f0d-9bb3-583a06111ef4

## Approvals

ROHS	Conform
------	---------

## IOT-GW30-4G-EU

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a> <a href="#">Quick start guide – Quickstartguide IOT-GW30</a> <a href="#">Quick start guide – Modbus - Understanding Coils and Register</a> <a href="#">Quick start guide – IOT-GW30: CANopen communication with PROtop</a> <a href="#">Application notes – 20220530_Statement_IOT_GW</a> <a href="#">Quick start guide – IOT-SMS via IOT-GW30_4G</a> <a href="#">Application notes – Installing and using Node-RED App on u-OS</a> <a href="#">Setup of Procon Web ES on u-OS</a> <a href="#">Application notes – Setup of Modbus TCP connection in CODESYS on u-OS</a> <a href="#">Application notes – Setup of FTP client in CODESYS</a> <a href="#">Application notes – UC-Codesys NVL in Node-RED</a> <a href="#">Application notes – UR20-1COM-RSxxx-V1 -Setup of Modbus and Serial communication in CODESYS</a> <a href="#">Application notes – UR20-1COM-RSxxx-V2 -Setup of Modbus and Serial communication in CODESYS</a> <a href="#">Application notes – Use of Node-RED contrib OpcUa</a>
Product Change Notification	<a href="#">Compatibility information – Release Notes u-OS App CODESYS Control SL Runtime</a> <a href="#">Compatibility information – Release notes - u-OS App u-link 1.0.1 EN</a>
Software	<a href="#">Firmware – Current firmware u-create web</a> <a href="#">Runtime Software – CODESYS Development System 3.5 SP18.40</a> <a href="#">Runtime Software – CODESYS Development System 3.5 SP19.0</a> <a href="#">Runtime Software – Archived CODESYS Control SL for Weidmueller u-OS Package</a> <a href="#">Compatibility information – Archived u-OS App CODESYS Control SL Runtime</a> <a href="#">Firmware – Upgrade firmware u-create web to u-OS</a> <a href="#">Firmware – Downgrade firmware u-OS 2.1.x to u-create web 1.16.1</a> <a href="#">Firmware – Archived firmware u-create web</a> <a href="#">Runtime Software – u-OS App CODESYS Control SL Runtime</a> <a href="#">Runtime Software – CODESYS Control SL for Weidmueller u-OS Package</a> <a href="#">Application notes – Node-RED MultiFlow 1.0.0</a>
User Documentation	<a href="#">Online help / Online documentation / Manual</a> <a href="#">20210504 Security Advisory - Accidentally open network port in u-controls and IoT-Gateways</a> <a href="#">20221214 Security Advisory - Multiple IoT and control products affected by JavaScript injection vulnerability</a> <a href="#">uc documentation IOT-GW30</a> <a href="#">Security Advisory - Multiple products affected by CodeMeter Runtime vulnerability</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**IOT-GW30-4G-EU**

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

[www.weidmueller.com](http://www.weidmueller.com)

**Accessories****Mounting kit for 19" rack assembly**

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

**General ordering data**

Type	RM-KIT	Version
Order No.	<a href="#">1241440000</a>	Kit for 19"-rack mounting
GTIN (EAN)	4050118029154	
Qty.	1 pc(s).	

## IOT-GW30-4G-EU

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

www.weidmueller.com

## 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 data sheet, 15.03.2024 3:40:12 PM CET

Type U-LINK-50-DEVICES-1Y Version  
 Order No. [2status09](#).03.2024 / We reserve the right to make technical changes.  
 GTIN (EAN) configurable u-link clients on Weidmüller hardware to the basic

## IOT-GW30-4G-EU

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

www.weidmueller.com

## Accessories

Type	U-LINK-1000-DEVICES-1Y	Version
Order No.	<a href="#">2924220000</a>	License code for u-link Remote Access Service., Adds 1000 additional
GTIN (EAN)		configurable u-link clients on Weidmüller hardware to the basic
Qty.	1 pc(s).	license and extends the period of the basic license accordingly.
Type	U-LINK-250-DEVICES-1Y	Version
Order No.	<a href="#">2870110000</a>	License code for u-link Remote Access Service., Adds 250 additional
GTIN (EAN)		configurable u-link clients on Weidmüller hardware to the basic
Qty.	1 pc(s).	license and extends the period of the basic license accordingly.
Type	U-LINK-100-DEVICES-1Y	Version
Order No.	<a href="#">2870100000</a>	License code for u-link Remote Access Service., Adds 100 additional
GTIN (EAN)		configurable u-link clients on Weidmüller hardware to the basic
Qty.	1 pc(s).	license and extends the period of the basic license accordingly.
Type	U-LINK-500-DEVICES-1Y	Version
Order No.	<a href="#">2870120000</a>	License code for u-link Remote Access Service., Adds 500 additional
GTIN (EAN)		configurable u-link clients on Weidmüller hardware to the basic
Qty.	1 pc(s).	license and extends the period of the basic license accordingly.
Type	U-LINK-CNSERVER-1Y	Version
Order No.	<a href="#">2870140000</a>	License code for u-link Remote Access Service., Allows the use of the
GTIN (EAN)		server in China for a secure and reliable VPN connection to and from
Qty.	1 pc(s).	China.
Type	U-LINK-1-CONNECTION-1Y	Version
Order No.	<a href="#">2870130000</a>	"VPN connection" licence code for u-link Remote Access Service. Can
GTIN (EAN)		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

## 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-CC-NM-RPSMAM-4M	Version
Order No.	<a href="#">1367100000</a>	Antenna cable, Connection 1.: N male, Connection 2.: RP-SMA male,
GTIN (EAN)	4050118186369	Length: 4 m
Qty.	1 pc(s).	
Type	IE-CC-NM-SMAM-3M	Version
Order No.	<a href="#">2788020000</a>	Antenna cable, Connection 1.: N male, Connection 2.: SMA male,
GTIN (EAN)	4064675066286	Length: 3 m
Qty.	1 pc(s).	
Type	IE-CC-RPSMAM-RPSMAF-5M	Version
Order No.	<a href="#">2787970000</a>	Antenna cable, Connection 1.: RP-SMA male, Connection 2.: RP-SMA
GTIN (EAN)	4064675066231	female, Length: 5 m
Qty.	1 pc(s).	

Creation date March 15, 2024 3:40:12 PM CET

Catalogue status 09.03.2024 / We reserve the right to make technical changes.

## IOT-GW30-4G-EU

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

Type	IE-CC-RPSMAM-RPSMAF-1M	Version
Order No.	<a href="#">2787950000</a>	Antenna cable, Connection 1.: RP-SMA male, Connection 2.: RP-SMA
GTIN (EAN)	4064675066217	female, Length: 1 m
Qty.	1 pc(s).	
Type	IE-ANT-CELL-SISO-EO-SMAM	Version
Order No.	<a href="#">2788130000</a>	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-CC-NM-SMAM-6M	Version
Order No.	<a href="#">1491210000</a>	Antenna cable, Connection 1.: N male, Connection 2.: SMA male,
GTIN (EAN)	4050118300758	Length: 6 m
Qty.	1 pc(s).	
Type	IE-CC-SMAM-SMAF-1M	Version
Order No.	<a href="#">2787920000</a>	Antenna cable, Connection 1.: SMA male, Connection 2.: SMA female,
GTIN (EAN)	4064675066088	Length: 1 m
Qty.	1 pc(s).	
Type	IE-ANT-CELL/WL-MB-MIMO- ...	Version
Order No.	<a href="#">2788090000</a>	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-CC-NM-SMAM-4M	Version
Order No.	<a href="#">1491190000</a>	Antenna cable, Connection 1.: N male, Connection 2.: SMA male,
GTIN (EAN)	4050118300734	Length: 4 m
Qty.	1 pc(s).	
Type	IE-CC-RPSMAM-RPSMAF-3M	Version
Order No.	<a href="#">2787960000</a>	Antenna cable, Connection 1.: RP-SMA male, Connection 2.: RP-SMA
GTIN (EAN)	4064675066224	female, Length: 3 m
Qty.	1 pc(s).	
Type	IE-CC-NM-RPSMAM-3M	Version
Order No.	<a href="#">2788050000</a>	Antenna cable, Connection 1.: N male, Connection 2.: RP-SMA male,
GTIN (EAN)	4064675066316	Length: 3 mm
Qty.	1 pc(s).	
Type	IE-CC-NM-RPSMAM-5M	Version
Order No.	<a href="#">2788060000</a>	Antenna cable, Connection 1.: N male, Connection 2.: RP-SMA male,
GTIN (EAN)	4064675066323	Length: 5 m
Qty.	1 pc(s).	
Type	IE-CC-NM-RPSMAM-1M	Version
Order No.	<a href="#">2788040000</a>	Antenna cable, Connection 1.: N male, Connection 2.: RP-SMA male,
GTIN (EAN)	4064675066309	Length: 1 m
Qty.	1 pc(s).	
Type	IE-CC-NM-RPSMAM-2M	Version
Order No.	<a href="#">1367110000</a>	Antenna cable, Connection 1.: N male, Connection 2.: RP-SMA male,
GTIN (EAN)	4050118186376	Length: 2 m
Qty.	1 pc(s).	
Type	IE-CC-SMAM-SMAF-5M	Version
Order No.	<a href="#">2787940000</a>	Antenna cable, Connection 1.: SMA male, Connection 2.: SMA female,
GTIN (EAN)	4064675066200	Length: 5 m
Qty.	1 pc(s).	
Type	IE-CC-NM-SMAM-1M	Version
Order No.	<a href="#">2788010000</a>	Antenna cable, Connection 1.: N male, Connection 2.: SMA male,
GTIN (EAN)	4064675066279	Length: 1 m
Qty.	1 pc(s).	

Creation date March 15, 2024 3:40:12 PM CET

Catalogue status 09.03.2024 / We reserve the right to make technical changes.

8



## IOT-GW30-4G-EU

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

[www.weidmueller.com](http://www.weidmueller.com)

## Accessories

Type	IE-CC-NM-SMAM-2M	Version
Order No.	<a href="#">1491180000</a>	Antenna cable, Connection 1:, N male, Connection 2:, SMA male,
GTIN (EAN)	4050118300741	Length: 2 m
Qty.	1 pc(s).	
Type	IE-CC-NM-SMAM-5M	Version
Order No.	<a href="#">2788030000</a>	Antenna cable, Connection 1:, N male, Connection 2:, SMA male,
GTIN (EAN)	4064675066293	Length: 5 m
Qty.	1 pc(s).	
Type	IE-ANT-CELL-SISO-LO-NF	Version
Order No.	<a href="#">2788150000</a>	Omni-directional antenna, Cellular antenna, Up to 5G (NR), Vertical, N
GTIN (EAN)	4064675066415	female, IP66, Impedance: 50 Ω
Qty.	1 pc(s).	
Type	IE-ANT-CELL-MIMO-DO-SMAM	Version
Order No.	<a href="#">2788120000</a>	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).	