IOT-GW30

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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.	2682620000
Type	IOT-GW30
GTIN (EAN)	4050118691696
Qty.	1 items

Technical data

Approvals

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

Dimensions and weights

Depth	105 mm	Depth (inches)	4.1338 inch
Height	125 mm	Height (inches)	4.9212 inch
Width	35 mm	Width (inches)	1.378 inch
Net weight	412 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	05711a2b-ba3f-4f0d-9bb3-583a06111ef4

General data

Shock	according to IEC 60068-2-27

Power supply

Reverse polarity protection	Yes	Supply voltage	24 V DC

System data

Processor	Dual Core ARM Cortex A9, 600 MHz	Connection type	1 removable 6-pin terminal block
Memory (Flash)	4 GB	Real-time clock	Capacity buffered (max. 5 days)

General specifications

Protection degree	IP20

System data

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

Technical data

VPN

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

EMC conformity and approvals

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

Environmental conditions

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

Guarantee

Time interval	2 years

Interfaces

Ethernet ports	2	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port
Digital outputs	1x, 19.2 - 28 V high; max. 1 A	Digital inputs	2x, >10 V high , <3.6 V low; max. 30 V DC
USB port	1x USB 2.0 (Type A; max. 500 mA)	Serial port	1x RS232/RS485

Power supply

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

Technical data

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

Classifications

ETIM 6.0	EC001099	ETIM 7.0	EC001099
ETIM 8.0	EC001099	ETIM 9.0	EC001099
ETIM 10.0	EC001099	ECLASS 9.0	19-17-01-00
ECLASS 9.1	19-17-01-00	ECLASS 10.0	19-17-04-90
ECLASS 11.0	19-17-04-90	ECLASS 12.0	19-17-04-90
ECLASS 13.0	19-17-04-90	ECLASS 14.0	19-17-04-90

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ECLASS 15.0	19-17-04-90

Weidmüller ⧓

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

Accessories

General ordering data

Type	U-LINK-50-DEVICES-1Y	Version	
Order No.	2870090000	License code for u-link Remote Access Service., Adds 50 additional	
GTIN (EAN)		configurable u-link clients on Weidmüller hardware to the basic	
Qty.	1 ST	license and extends the period of the basic license accordingly.	
Type	U-LINK-100-DEVICES-1Y	Version	
Order No.	2870100000	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 ST	license and extends the period of the basic license accordingly.	
Type	U-LINK-250-DEVICES-1Y	Version	
Order No.	2870110000	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 ST	license and extends the period of the basic license accordingly.	
Type	U-LINK-500-DEVICES-1Y	Version	
Order No.	2870120000	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 ST	license and extends the period of the basic license accordingly.	
Type	U-LINK-1000-DEVICES-1Y	Version	
Order No.	2924220000	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 ST	license and extends the period of the basic license accordingly.	
Type	U-LINK-1-CONNECTION-1Y	Version	
Order No.	2870130000	"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 ST	VPN connection that has already been activated	
Type	U-LINK-CNSERVER-1Y	Version	
Order No.	2870140000	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 ST	China.	

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 ST	

IOT-GW30

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-MIMO-DO-RP...	Version
Order No.	2788070000	Omni-directional antenna, Wi-Fi antenna, Up to Wi-Fi 6 & 6E
GTIN (EAN)	4064675066330	(IEEE802.11ax), Linear, Vertical, 2x RP-SMA male, IP67, Impedance:
Qty.	1 ST	50 Ω
Type	IE-ANT-WL-DB-MIMO-PD-RP...	Version
Order No.	2788080000	Semi-directional antenna, Wi-Fi antenna, Up to Wi-Fi 6 & 6E
GTIN (EAN)	4064675066347	(IEEE802.11ax), +/- 45° linear, 4x RP-SMA male, IP67, Impedance:
Qty.	1 ST	50 Ω
Type	IE-ANT-WL-DB-SISO-LO-NF	Version
Order No.	2788110000	Omni-directional antenna, Wi-Fi antenna, Up to Wi-Fi 6 & 6E
GTIN (EAN)	4064675066378	(IEEE802.11ax), Vertical, N female, IP67, Impedance: 50 Ω
Qty.	1 ST	
Type	IE-CC-NM-RPSMAM-1M	Version
Order No.	2788040000	Antenna cable, Connection 1:, N male, Connection 2:, RP-SMA male,
GTIN (EAN)	4064675066309	Length: 1 m
Qty.	1 ST	
Type	IE-CC-NM-RPSMAM-2M	Version
Order No.	1367110000	Antenna cable, Connection 1:, N male, Connection 2:, RP-SMA male,
GTIN (EAN)	4050118186376	Length: 2 m
Qty.	1 ST	
Type	IE-CC-NM-RPSMAM-3M	Version
Order No.	2788050000	Antenna cable, Connection 1:, N male, Connection 2:, RP-SMA male,
GTIN (EAN)	4064675066316	Length: 3 m
Qty.	1 ST	
Type	IE-CC-NM-RPSMAM-4M	Version
Order No.	1367100000	Antenna cable, Connection 1:, N male, Connection 2:, RP-SMA male,
GTIN (EAN)	4050118186369	Length: 4 m
Qty.	1 ST	
Type	IE-CC-NM-RPSMAM-5M	Version
Order No.	2788060000	Antenna cable, Connection 1:, N male, Connection 2:, RP-SMA male,
GTIN (EAN)	4064675066323	Length: 5 m
Qty.	1 ST	
Type	IE-CC-NM-SMAM-1M	Version
Order No.	2788010000	Antenna cable, Connection 1:, N male, Connection 2:, SMA male,
GTIN (EAN)	4064675066279	Length: 1 m
Qty.	1 ST	

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Accessories

Type	IE-CC-NM-SMAM-2M	Version	
Order No.	1491180000	Antenna cable, Connection 1:, N male, Connection 2:, SMA male,	
GTIN (EAN)	4050118300741	Length: 2 m	
Qty.	1 ST		
Type	IE-CC-NM-SMAM-3M	Version	
Order No.	2788020000	Antenna cable, Connection 1:, N male, Connection 2:, SMA male,	
GTIN (EAN)	4064675066286	Length: 3 m	
Qty.	1 ST		
Type	IE-CC-NM-SMAM-4M	Version	
Order No.	1491190000	Antenna cable, Connection 1:, N male, Connection 2:, SMA male,	
GTIN (EAN)	4050118300734	Length: 4 m	
Qty.	1 ST		
Type	IE-CC-NM-SMAM-5M	Version	
Order No.	2788030000	Antenna cable, Connection 1:, N male, Connection 2:, SMA male,	
GTIN (EAN)	4064675066293	Length: 5 m	
Qty.	1 ST		
Type	IE-CC-NM-SMAM-6M	Version	
Order No.	1491210000	Antenna cable, Connection 1:, N male, Connection 2:, SMA male,	
GTIN (EAN)	4050118300758	Length: 6 m	
Qty.	1 ST		
Type	IE-CC-RPSMAM-RPSMAF-1M	Version	
Order No.	2787950000	Antenna cable, Connection 1:, RP-SMA male, Connection 2:, RP-SMA	
GTIN (EAN)	4064675066217	female, Length: 1 m	
Qty.	1 ST		
Type	IE-CC-RPSMAM-RPSMAF-3M	Version	
Order No.	2787960000	Antenna cable, Connection 1:, RP-SMA male, Connection 2:, RP-SMA	
GTIN (EAN)	4064675066224	female, Length: 3 m	
Qty.	1 ST		
Type	IE-CC-RPSMAM-RPSMAF-5M	Version	
Order No.	2787970000	Antenna cable, Connection 1:, RP-SMA male, Connection 2:, RP-SMA	
GTIN (EAN)	4064675066231	female, Length: 5 m	
Qty.	1 ST		
Type	IE-CC-SMAM-SMAF-1M	Version	
Order No.	2787920000	Antenna cable, Connection 1:, SMA male, Connection 2:, SMA	
GTIN (EAN)	4064675066088	female, Length: 1 m	
Qty.	1 ST		
Type	IE-CC-SMAM-SMAF-5M	Version	
Order No.	2787940000	Antenna cable, Connection 1:, SMA male, Connection 2:, SMA	
GTIN (EAN)	4064675066200	female, Length: 5 m	
Qty.	1 ST		

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