

OEM Alpha Smartware IoT Gateway

The Alpha Smartware IoT Gateway (IOTG 26001-xx) securely connects smart devices to the Alpha Smart Cloud. The device is a basic requirement for connecting Alpha Smartware components to the Alpha Smart Cloud. The data transfer is encrypted via the device in order to protect the data from unauthorized access. Data security corresponds to industry standard with end-to-end AES-128 hardware-based encryption between the sensor and Alpha Smart Cloud.

The Alpha Smartware IoT Gateway allows the setup and control of the Alpha Smart system with the Alpha Smart App.



1.1 Features

- High-quality, modern OEM design
- Perfect for the use in detached and multi-family houses
- Uses the particularly reliable and secure cSP-L radio protocol on 868/869 MHz basis
- Establishes a secure connection between OEM Alpha Smartware components and the Möhlenhoff OEM Alpha Smart Cloud
- High safety according to industry standards. Data is encrypted with AES 128
- Server location in Germany
- Configuration data and operating commands from mobile devices are exchanged with Alpha Smartware components via the OEM Alpha Smart Cloud.
- Locally paired devices in standalone operation can easily be cloud/app-enabled subsequently by expanding them with the Alpha Smartware IoT Gateway
- Automatic software updates of Alpha Smartware components for optimizing and enhancing their function. Devices thus remain future-proof
- Multi-coloured LED for display of operating states
- Wireless internet connection via WLAN
- Can be used within the Alpha Smartware system as a cSP-L radio repeater

1.2 Variant and scope of delivery

In the basic version, the Alpha Smartware IoT Gateway will be delivered as neutral device without logo and in white.

The Quick Install Guide for installation and commissioning is included in the following 11 languages:

- German
- English
- French
- Dutch
- Italian
- Spanish
- Danish/Norwegian
- Finnish
- Swedish
- Polish

For more details on the products, system and cloud solutions, visit www.alphasmartware.de.

| Type designation | Designation | Scope of supply |
|------------------|-----------------------------|---|
| IOTG 26001-N1 | Alpha Smartware IoT Gateway | <ul style="list-style-type: none"> • Alpha Smartware IoT Gateway • 5 V Micro USB power supply unit • Quick Install Guide in 11 languages |

2 Technical data

| | |
|---|---|
| Supply voltage | 5 V/DC via micro USB interface |
| Supply voltage of plug-in power supply unit (input) | 100 V-240 V/ 50 ... 60 Hz |
| Power consumption of plug-in power supply unit | max. 5 W |
| Power consumption | 200 mA max. |
| Standby power consumption | 1.7 W |
| Protection type | IP20 |
| Protection class | III |
| Ambient temperature | 0 °C to 40 °C |
| Ambient humidity | 5 to 80%, not condensing |
| Dimensions (W x H x D) | 62 x 62 x 17.5 mm |
| Standards and regulations | 2014/53/EU radio equipment; RoHS Directive 2011/65/EU |
| Weight | 180 g (incl. packing) |
| Radio protocol, radio frequency | cSP-L: 868.3 and 869.525 MHz SRD band |
| Radio security type | AES128 CCM encryption of user data |
| Typical free-field radio range | 400 m |
| WiFi protocol | IEEE 802.11 b/g/n |
| WiFi frequency | 2.4 GHz |
| WiFi encryption | WPA / WPA2 |
| Other interfaces | USB port for power supply of additional sensors (3.9 W) |
| Packaging dimensions | 92 x 89 x 58 mm |
| Housing colour | RAL 9003 (signal white) |
| Housing material | PA-757 ABS |

3 Approvals & certificates



The CE identification documents that the products that the products placed on the market comply with the applicable requirements of the EU Directives.