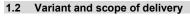# OEM Alpha Smartware IoT Gateway

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

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	• 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
Weight	180 g (incl. packing)
Radio protocol, radio frequency	cSP-L: 868.3 and 869.525 MHz SRD band
Max. transmission power	≤ 25 mW
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

2.1   System boundary

Maximum number of communication members: Within a radius of 50 meters up to 50 Alpha Smartware devices are technically possible, but actually not validated.

3   Approvals and certificates

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

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