

Ascorp Gateway Bluetooth – Ethernet

SKU: GTWBLE100011



Ascorp Gateway automatically transfers data from Ascorp Bluetooth Low Energy to Ascorp Cloud or any other IoT platform. Gateways are used to build remote monitoring systems and works with all types of Ascorp sensors. Ascorp Gateway is equipped with built in memory which buffers the sensor data. The device can be setup in minutes with a free mobile application.

Key features

- **Edge gateway**
Ascorp Gateway collects data from your sensors and sends it to Ascorp Cloud or any other IoT platform.
- **Security**
Wireless transmission between Ascorp sensors and Ascorp Gateway can be encrypted (AES128). Thanks to that only authorized devices can read the sensors' measurements.
- **Lower costs**
Choosing wireless sensors and a cloud platform reduces the installation and maintenance costs.
- **Up to 128 sensors**
One gateway supports up to 128 Ascorp sensors. If you need more, simply add another gateway.
- **Integration**
Ascorp Gateway can be integrated with any software which supports REST.
- **Quick set up**
The device is pre-configured and works practically from the box. Configuring Gateway will take you less than 2 minutes! You can do it with a smartphone a computer.

Technical data

Bluetooth Low Energy interface

- Communication: Bluetooth Low Energy (BLE)
- Encryption: AES128
- Radio module frequency: 2,4 GHz
- Power: 2,5 mW (4 dBm)
- Range: up to 100 m (LOS)
- Communication standard: Bluetooth Smart (Bluetooth Low Energy, Bluetooth 4.0)
- Transmission period: 1 s

LAN

- Standard: IEEE 802.3, IEEE 802.3u
- Ethernet interface: RJ45 socket, support for PoE 802.3af (802.3at Type 1)

Power

- Power: Mini USB or PoE
- Power adapter: Mini USB 230V AC, 5V DC / 1.0 A
- Power over Ethernet (PoE) 802.3af (802.3at Type 1)

Mechanical

- Dimensions: 110 x 80 x 25 mm
- Weight: 150 g

Environmental

- Working conditions: 0 – 40°C, 10 – 90% RH
- Indoor use only

Additional information

Easy set up

Ascorp Gateway set up is quick and easy. It does not require the installation of any drivers or software and can be powered by PoE (802.3af). That ensures the workability in just a few minutes after starting the device. Configuration can be done using a mobile application, so you don't need any cables or a computer.

Gateway integration

Additionally, Ascorp Gateway can be integrated with any software that is compatible with HTTP protocol (REST architecture). For instance the device can cooperate with ERP and SCADA software or with building automation system. If you would like to have access to Gateway's libraries, feel free to contact us.

Proxy server support

Ascorp Gateway can send the data to Cloud platforms using a proxy server as a method to ensure data security and privacy. It is important for companies with an extensive network.

Local mode

Ascorp Gateway can also work in local mode. Thanks to its build in software you can check the current measurements from all sensors within its range without use of Ascorp Cloud. All you have to do is connect the device to your local network with Ethernet cable. In local mode you can check the current and historical measurements (table/chart) and export the data in a form of CSV report.