BACE plus

Build A Connection Everywhere

by EVALAN

Overview

BACE is the IoT data pipeline created by EVALAN to digitalize any hardware imaginable. The solution is focused on creating reliable bi-directional communication between the device in the field and the cloud application. As such, it consists of two completely integrated parts: the BACE Gateway and the BACE Cloud.

BACE Plus is best suited to connect your assets. This BACE module connects straight to your device via one of the several built-in protocols (like Modbus, CAN bus and a Pulse Counter), or wirelessly with Wifi Direct. It delivers LTE-M and 2G connectivity.

The integration of BACE as an IoT data pipeline into your software, IoT application or database is possible with a few lines of code and will allow you to continue using your own portals.

Applications

Thanks to the wide range of IoT transport protocols that BACE speaks, it can accommodate countless use-cases in diverse industries to monitor, manage and control assets.

Benefits

Time to Market

Developing an IoT solution from scratch can take years, with BACE you will have a market-ready solution in a few days.

Simple

Out-of-the-box BACE supports millions of devices and integrates into your application with a few lines of code.

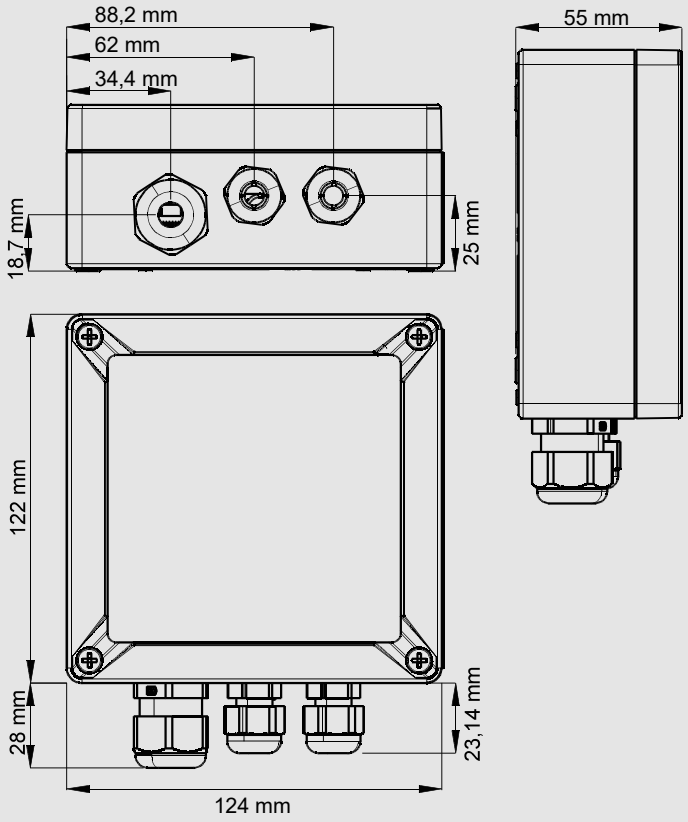
Scalable

When you decide to scale from a PoC of one device to thousands it will be done keeping the same flow and experience you are used to, and without complexity.

Reliable

You will have the guarantee of a reliable partner that has connected more than 100k devices globally. Furthermore, you'll have the security of over-the-air (OTA) updating and 24/7 monitoring through the BACE Dashboard.

Dimensions



Technical specifications

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Supported IoT communication protocols

- Modbus RTU or TCP
- Low Energy Wireless
- Zwave
- Zigbee
- Wireless M-Bus
- P1
- TCP Socket via Wifi
- UART
- RS232
- I2C
- CAN bus
- Pulse counting
- LoRA

Other specifications

Operating temperature	-30 C° to 80 C°
Supply input voltage	12-24 VDC
Max power consumption	12W
Dimensions	150mm x 124mm x 55mm
Certification	CE and FCC

Security

- Encrypted file system
- Secure boot
- Secure authentication
- Encrypted communication

Connectivity to cloud

- Built-in cellular modem with e-Sim
- Wi-Fi 802.11 b/g/n and Ethernet

Physical interfaces

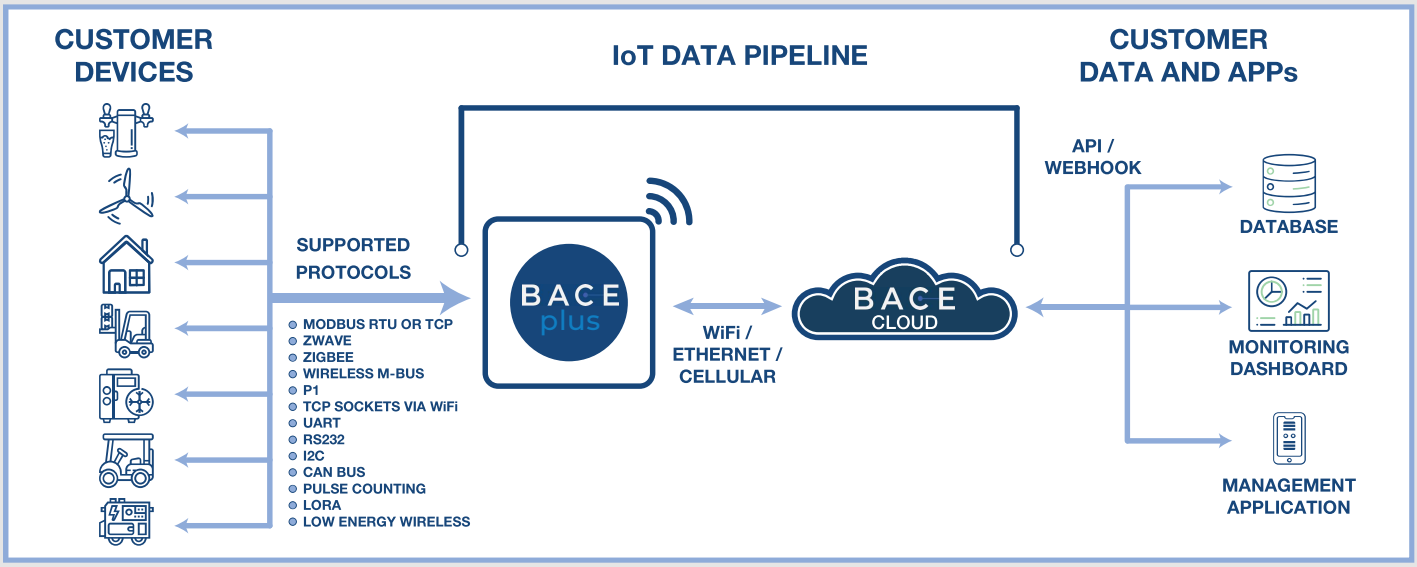
- RJ45 Ethernet
- 4-pin screw terminal for serial interfaces
- 2-pin screw terminal for power
- RJ12 for P1 connection (optional)

Accessory options

- Modbus Junction box
- External WiFi and Bluetooth antenna
- Ethernet cable

Localization

- Built-in GPS and GNSS
- Cell tower information



*Due to continuous improvements and innovations, specifications may change without notice.

+31 20 779 03 44
info@evalan.com
www.evalan.com
Sarphatistraat 638, 1018 AV Amsterdam

EVALAN
A Better Perspective.