



**EPITOME ELEKTRONIK GmbH**  
— Pinnacle in Technology —



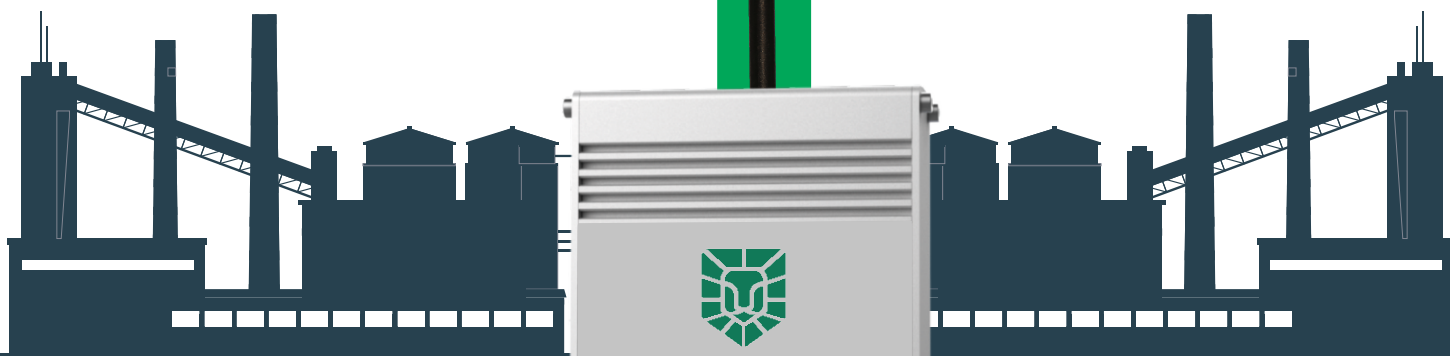
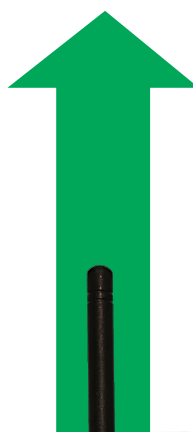
# IOT

**A DIRECT BRIDGE TO THE CLOUD**



MQTT  
4G

EtherNet/IP™



**GREENFIELD**

# IOT

## A DIRECT BRIDGE TO THE CLOUD.

The **IOT Bridge** is a fully functional, extremely economical, IOT bridge, capable of taking your parameters and factory data to the dashboard of the cloud of your choice. It accepts a variety of input physical media like RS485, Ethernet, Lorawan @868Mhz and carries the same to Cloud with WiFi@2.4GHz and 4G CAT M1, Modem.

### The basic device cost starts from just 159 Euro.

#### The IOT device can be used for

- ◆ Production monitoring, Smart Manufacturing, Preventive Maintenance
- ◆ Smart city, Smart Home, Smart Agriculture
- ◆ Energy, Solar farm. Power grid Monitoring
- ◆ Health care, telemedicine, Diagnostic Kiosk
- ◆ Traffic Monitoring Fleet management, Vehicle tracking
- ◆ Smart retail management
- ◆ Asset management, tracking

The main feature of our gateway are

#### 1. Main Processor.

- ◆ Dual-core 32-bit microprocessor.
- ◆ 4MB Flash, 520 KB SRAM.
- ◆ Speed - 80 to 240 MHz.

#### 2. Communication Physical Layer

- ◆ WiFi 802.11b/g/n 20 dBm WPA/WPA2/WPA2 and WPS
- ◆ Bluetooth V4.2 BR/EDR and Bluetooth LE specification (optional)
- ◆ Modbus TCP/IP, RTU for additional data.
- ◆ Lora Device and Stack for communication up to 30 Km.
- ◆ 3G/4G Modem (Optional).
- ◆ Ethernet 100MBps.(Optional)

#### 3. Supported Cloud Platform

- ◆ Microsoft Azure
- ◆ Google IOT Core
- ◆ AWS IOT Platform
- ◆ Any other Cloud with SSL, HTTP and MQTT Protocol.

#### 4. Data Security

- ◆ Certificate based authentication
- ◆ 256 bit Private and Public Key
- ◆ All keys are encrypted and stored in the device.

#### 5. Approvals and Certifications

- ◆ RF certification: FCC/CE-RED/SRRC
- ◆ Bluetooth: BQB
- ◆ Complete Gateway - FCC/CE

#### 6. Service Offered

- ◆ Supply of Gateway
- ◆ Configuration of the IOT cloud of your choice.
- ◆ Design of dashboard
- ◆ AI and ML processing.

### 256-bit Encryption



EPITOME ELEKTRONIK GmbH  
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Wittkuller Str. 51, 42719 Solingen  
**Mobile:** +49 174 8917923 | **Email:** aniket@eepitome.de  
**Website:** www.eepitome.de