



PIGEON
P L E X

DATASHEET

PIGEON

IoT edge gateway and controller for intelligent monitoring and control.

Features and Benefits

- Universal IoT Edge device.
- 2 x Universal inputs.
- 4 x Sensor inputs.
- 4 x Digital outputs.
- Location tracking via GSM triangulation or (optional) GPS.
- ThingStream Enabled for cost-effective & truly global connectivity.
- Configurable Modbus RTU Master.
- Periodic data updates.
- Mains and low voltage power supply variants.

Technical Overview

The Pigeon is designed as a low power, low cost communication IoT Edge controller and communication gateway. Universal, configurable inputs and outputs means the Pigeon can be applied in a wide variety of applications. Digital inputs support pulse counting and alarming.

The device communicates using embedded USSD/SMS/GSM to enable low cost IoT connectivity. Optional GPS allows for accurate location tracking and geo fencing.

The on-board RS485 port provides a Modbus RTU Master interface for monitoring & integrating Modbus RTU enabled devices.



Specifications

Power Supply	110-240 VAC 50Hz/60Hz OR 12-24V AC/DC
Battery	Optional extra (15mAh to 5Ah) Lithium-Ion
Location Method	GSM Triangulation Optional GPS
Location Accuracy	Up to 50m with GSM
Communications	Quad-Band GSM (2G) 850/900/1800/1900 MHz MQTT-SN via ThingStream
Environment	IP31 Compliant -10°C - 60°C
Inputs	2 x Universal Inputs: Supports the following modes: <ul style="list-style-type: none"> • 10K3A1 NTC Thermistors • 0-10V DC • Volt-free digital contact 4 x Sensor Inputs: Supports the following modes: <ul style="list-style-type: none"> • 10K3A1 NTC Thermistors • 0-10V DC • Volt-free digital contact
Outputs	4 x Open Collector Outputs: <ul style="list-style-type: none"> • On/Off Digital • Pulse width modulation

