



Airsprint-1050 is a rugged GPRS based IoT device cum Gateway meant for sending Digital Events / Alarms, Analog Values and Modbus RTU device data to the cloud in a secure encrypted lightweight standard **MQTT** protocol.

Airsprint-1050 supports various MQTT brokers on Cloud enabling IT Software Developers to do what they do best i.e. develop Web Clients or Android & Apple Applications and directly publish /subscribe to the required topics from the broker without worrying about the nitty gritty of device communications over GPRS. The MQTT brokers can handle tens of thousands of devices simultaneously allowing the software developer to roll out highly scalable solutions.

It can be used in any remote monitoring applications like Energy Monitoring, Water Monitoring, Solar Monitoring etc.

Features

- ❖ ARM32 bit CPU, 64 KB RAM
- ❖ 4G /LTE GPRS Module, Micro SIM holder
- ❖ Up to 8 x Digital Inputs (Contact/Pulse/Fast DI)
- ❖ Up to 6 x Analog Input (4-20 mA)
- ❖ Up to 4 x Digital Output (Open Collector / Relay O/P)
- ❖ 1 x RS485 Modbus Master
- ❖ Optional I/F for DS18B20 /NTC Thermistor sensor
- ❖ Optional: Battery Backup: 11.1 VDC, 1000 mAh Li-Ion
- ❖ Aux Power: 10-30 VDC / 12 V 1.5A Adaptor / 230VAC
- ❖ Interface Connector: Screw Terminal 22AWG
- ❖ Mounting: Backplate / DIN Rail (TS35)
- ❖ Dimension: 105 (H) x 75 (W) x 60 (D) mm
- ❖ Material: Sheet Metal
- ❖ IP Rating: IP20
- ❖ Operating Temperature: 0- 70 degC

* Console Port for connecting to Computer and downloading Modbus configuration and mapping Parameter names for transfer over MQTT. MQTT Broker configurable, User-ID Password, topics settable

