

Airsprint-1050-DLOG

4G/LTE/SMS based IOT Gateway with Inbuilt I/O, Datalogger

Airsprint-1050-DLOG is a rugged 4G/LTE GPRS based I/O and Gateway unit meant for sending Digital Events/Alarms, Analog Values data to the cloud/ON premises server in a secure encrypted lightweight standard **MQTT** protocol / SMS. It has inbuilt Analog Inputs, Digital /Pulse Inputs, Modbus Master RS485 port for connecting to various sensors and Analysers . Upto 1 million data can be stored in the Data logger Flash memory

Airsprint-1050-DLOG has inbuilt USB Host port from where you can connect to a Laptop for downloading the stored data in CSV Format

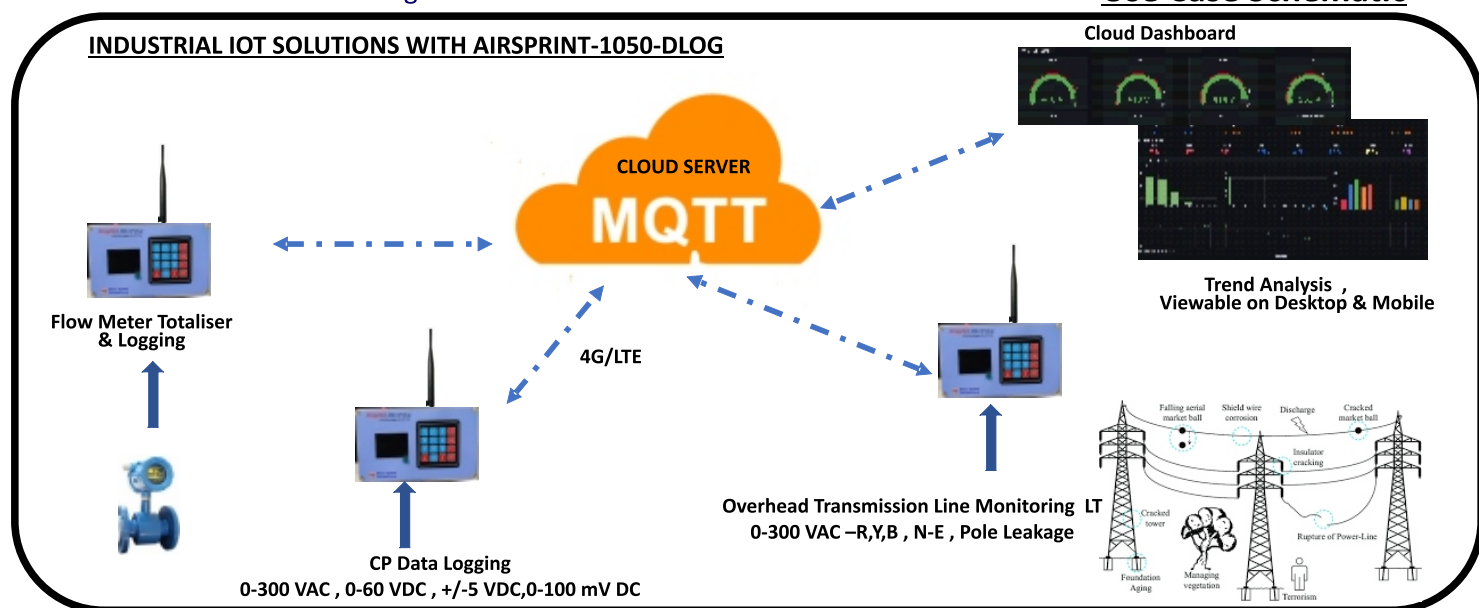
Features

- ARM32 bit Cortex M4 CPU, 128 KB RAM
- Inbuilt 128 Mb Flash Memory for data storage
- 4G /LTE/2G GPRS /SMS Module, Micro SIM holder
- Data Comm: MQTT / SMS
- External Antenna 3 dbi with 3mtr cable & SMA connector
- 4 x Analog Inputs, 16 bit ADC, 4-20 ma / 0-5 VDC
- All channels Surge Protected 500 VAC, Isolation 300 VAC,
- Optional Inbuilt Signal Conditioning :
Channel to Channel 2 KV 3-way isolation
For following type of Inputs :
 1. 0-50 VDC
 2. 0-100 mV (from external shunt 0-50A/75 mV)
 3. 0-300 VAC
 4. +/- 5 VDC
- 2 x Digital /Pulse Inputs (2KV Opto Isolation)
(For Door Open /Tamper/ Flow Totaliser Sensors)
- 1 x RS485 port. Modbus Master
- 2.4", 320 x 240 pixels Color Graphic Display, 6 line x 16 char, 4 x4 keyboard
- USB Host for Data Downloading.



- Device Config thru : Keypad, USB port (Laptop), SMS, MQTT
- Inbuilt Battery Backup : 11.1 VDC, 2000 mAh Li-Ion,
- AUX Power: 230 VAC (100 – 500 VAC) ,
Surge Protected : 6KV
- Interface Connector : IP65
Threaded connectors for Power
(3 pin), Signals (14 pin)
- Mounting : Backplate
- Dim : 230 (W)x110 (H) x75 (D) mm
- Material : ABS, IP Rating : IP65
- Operating Temperature : 0- 70 degC

Use Case Schematic



Ordering Info:-

1. Airsprint-1050-DLOG : 4G/LTE IOT based RS485 Modbus RTU Gateway with 4 x Isolated & Surge Protected AI , 2 x Isolated DI/Pulse , USB Host ,Battery : 11.1 VDC 2000 mAh , 2.4" Graphic Display , 4 x 4 Keypad Aux Pwr: 230 VAC with Surge Protection



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