



COOPER IoT LOGGER

Cellular 3G, LTE-M or NB-IoT low power logger

SPOTLIGHT

- Rugged & robust
- GPS & Blue-tooth gateway
- Array of inputs, outputs & sensor interfaces
- Real-time tracking
- Sensor monitoring & asset management (Bluetooth gateway)
- Battery powered
- IP67 weatherproof housing




FEATURES

- Cloud moitoring
- Auto APN detect
- Battery usage monitor & life predictions
- Sensor monitoring
- Geofence enabled & alerts
- Impact-detection
- Periodic / movement tracking
- Preventative maintenance
- Monitor run hours
- Sleep mode
- Theft recovery


APPLICATIONS

- Pulse counting for water, electricity, gas consumption, door open/close etc.
- Water level monitoring
- Borehole monitoring
- Pump / motor control
- Monitors temperature, humidity, moisture, depth etc.
- Monitoring sensitive environments or assets
- Infrared detection

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SPECIFICATIONS

CONNECTIVITY

- 2G
- 3G
- LTE-M / NB-IoT
- Bluetooth 5.0 gateway

INTERFACE

- AIN : 2 * 0~30V
auto ranging 12-bit ADC
0~5V : 1.22mV precision
0~30V : 7.32mV precision
- DIN : 3 configurable pull up/down
0~48Vdc
On/off threshold: Pull up: low @ 0.8V, high @ 1V
Pull down: low @ 2V, high @ 2.4V
- DOT : 2 * switched ground
- Ignition : Log run hours of vehicle
- I²C
- RS-485

POWER

- Input: 5 - 16V dc wired or batteries
- Batteries: 4 * C alkaline or Lithium
User replaceable
- Current: sleep @ < 10 μ A
- Backup: Fall back to batteries if wired power is lost

TRACKING

- uBlox EVA-M8
- GLONASS / GPS constellation
- Receiver: 72 channel
- Sensitivity:-167dBm
- ZGNSS almanac data
- GPS boosted via LNA

MECHANICAL

- Dimensions : 18.3 L x 14.5 W x 4 H cm
- Weight : 564g
Enclosure: IP67 ABS polycarbonate
- Temp: -20°C ~ 60°C
Antenna: internal
Accellerometer: 3-axis
Dignostics: status LED
Memory: \leq 10 days @ 30sec logging

