



# COMPACT, COST EFFECTIVE

## ALL IN ONE



Live  
Location



Time-lapse



Object  
Detection



Line/Email  
Event notify



Low power  
Low weight



IP68



Plug and play

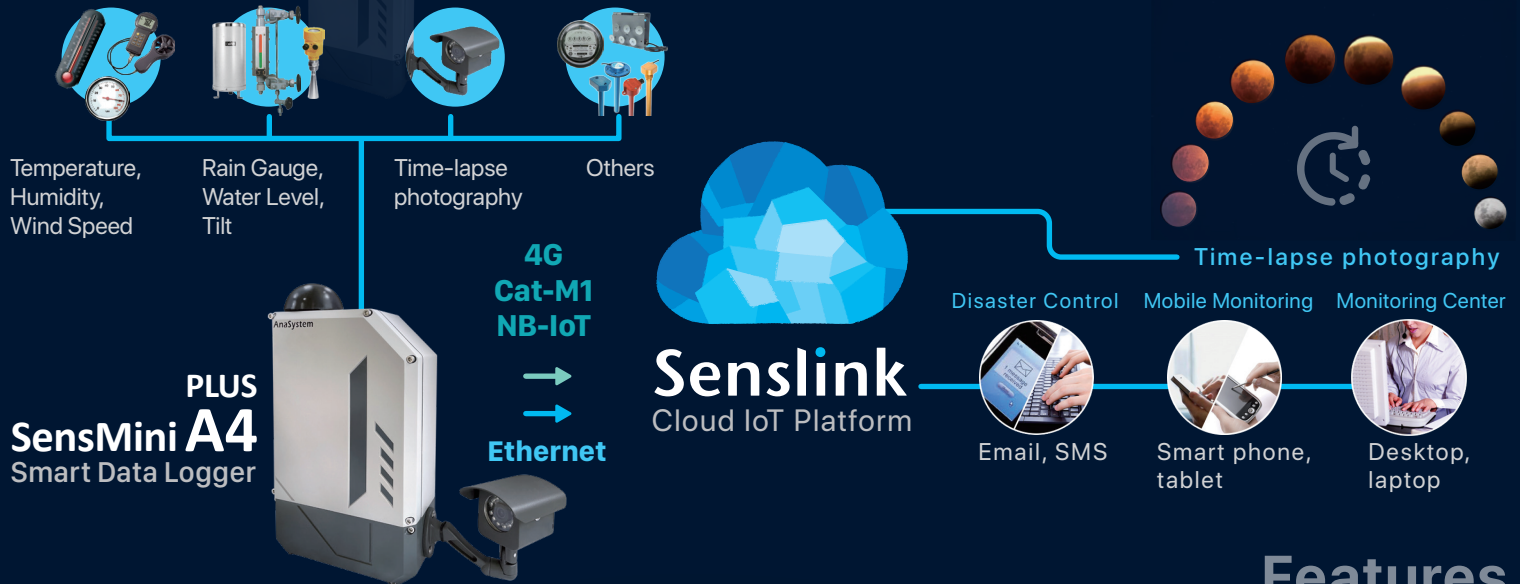
# SensMini A4 PLUS

## Smart Remote Data Acquisition Device

- 32G SD Card(MAX)
- 4G / Cat-M1 / NB-IoT
- CE, FCC, NCC, CNS14336, IEC61000-4-5, IEC61000-4-2
- Working under severe environment ready
- Low power consumption. 2W (transmitting) / 0.001W (deep sleeping)
- Solar power charge, data logging and telecommunication system ready
- Maintenance free

**AnaSystem**

# Examples of Data Acquisition



## Features

- SD card: 4GB (32GB Max)
- Measurement storage resolution: 32bit
- Max to 32 measurements per record
- Cyclic record period: 200 years (10 measurements, every 10 min)
- Support offline downloading data from removable SD card
- Measurement data run time formula calculation settings
- Real time and historical data transmit and store
- Time-lapse photography
- Read time value display APP: iOS, Android
- Auto reconnect
- Push data to cloud actively
- Communication Mode: Server, Client, theft detection
- GPS
- Senslink cloud data auto resync
- Deep sleep mode
- Hardware / software node dynamic mapping
- Recording interval: 1~720 min
- Auto send interval: 10~60 min
- Time-lapse photography interval 10 min~24 hours

## Hardware Specifications

### STORAGE

SD Card 4 GB (32GB Max)

### WIRED COMMUNICATION

COM3 RS232, Isolation, 115,200bps (Max)

COM1,COM2 RS485, Isolation, 115,200bps (Max). Terminal resistors included

Ethernet 10 / 100 BASE-TX, Isolation

### MOBILE COMMUNICATION

Wireless modules (Dual module mode support) (Optional)

4G TCP Server / Client Modes. (Fix IP is not required)

Band 1, 3, 5, 7, 8, 20, 28

LTE CAT4, Downlink 150Mb/s (Max), Uplink 50Mb/s (Max)

NB-IoT UDP Mode. Fix IP is not required

Band 8, 28

Uplink 62.5kb/s (Max)

Downlink 27.2kb/s (Max)

### I/O CONNECTORS

Connectors Female 8-pins shielded M12 A-coding connector

### DIGITAL OUTPUT

Num of channels 2

Types Source, Open Collector

Voltage 14.5 VDC, Max.

Current 500 mA, Max.

### DIGITAL INPUT

Num of channels 4

Type Wet contact

Off Voltage Level +4 VDC Max.

On Voltage Level +10 VDC ~ 30 VDC

Isolation 2,500 Vrms

### ANALOG INPUT

Channel 4-ch single-end (Voltage, Current) / 2-ch differential (Voltage)

Resolution 16-bit

Input Range -20 mA ~ 20 mA / -5 V ~ 5 V

Over voltage protection 50 V

Over current protection 100 mA

Isolation 2,500 Vrms

### WATER SENSOR(OPTION)

Sensing Type Ultrasonic / Pressure / Radar

Measuring Range 0.3 ~ 5.0 M

Resolution 1 mm

### POWER

Connector Male: 5-pins shielded M12 A-coding connector

Voltage +10~+30 VDC

Charge current 2A Max (Solar charge system included)

Battery voltage +12 VDC

Battery type LiFePO<sub>4</sub>, 22Ah, Life Cycle 1000 times

Power consumption 2W (transmitting), 0.001W (deep sleep)

### MECHANICAL

Housing IP68, Aluminum

Size (LxWxH) 452 mm x 378 mm x 104.8 mm

Weight 7.6 Kg

Installation Wall, Rail

### ENVIRONMENT

Working temperature -20°C ~ +70°C

Storage temperature -25°C ~ +75°C

Relative humidity 10 ~ 95% (non condensing)

### CERTIFICATE

CE, FCC, NCC, CNS14336, IEC61000-4-5, IEC61000-4-2

### EMS PROTECTION

ESD ±4 KV Contact, ±8 KV Air (I/O Pins)

Surge ±1KV (Power Pins)