



COMPACT, COST EFFECTIVE



Senslink

Plug and play.
Setup a full functioned remote data
acquisition station **in 5 mins**



IP68 highest environment
protection case. Working
under server environment ready



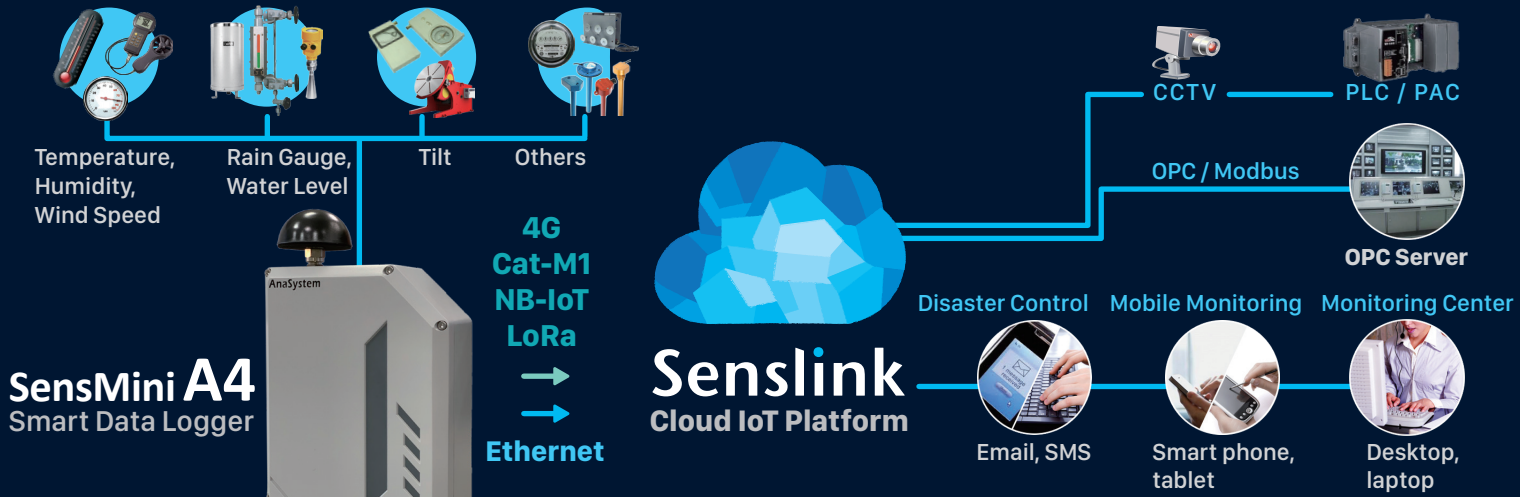
Low power, low weight
Easy installation
and maintenance free

SensMini A4

All in one,
Smart Remote Data Acquisition Device

- 32G SD Card(MAX)
- 4G / Cat-M1 / NB-IoT / LoRaWAN
- 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

Examples of Data Acquisition



SensMini A4 Smart Data Logger

- SD card: 8GB (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

- Read time value display APP: iOS, Android
- Auto reconnect
- Push data to cloud actively
- Communication Mode: TCP Server, TCP Client, UDP Device theft detection
- GPS
- Senslink cloud data auto sync
- Deep sleep mode
- Hardware / software node dynamic mapping
- Recording interval: 1~720 min
- Auto send interval: 10~60 min

Features

STORAGE

SD Card 8 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)

LoRaWAN 915 MHz ISM Band (Taiwan), AS923 (East South Asia)
11 Bytes / Packet

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 LiFePO₄, 22Ah, Life Cycle 1000 times

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

MECHANICAL

Housing IP68, Aluminum

Size (LxWxH) 452 mm x 200.2 mm x 104.8 mm

Weight 7 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)

AnaSystem

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