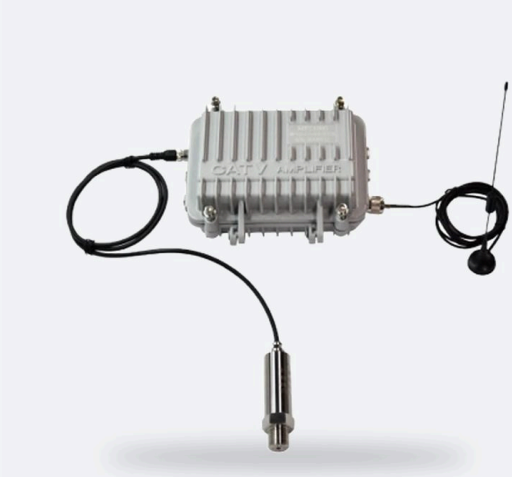
IoT monitoring

Wireless Pressure Data Logger, NB-IoT, Battery Powered

Model CS-iGPM-01

Battery-powered wireless pressure sensor module reporting over NB-IoT, reading (0.25–2.25) VDC transmitter signals at 0.1% acquisition accuracy, 3 to 5 years battery life.



Accuracy	Output
0.1%	FPC antenna
Frequency	**Protection**
B1/B3/B5/B8/B20	IP65

Features

- NB-IoT pressure data logging
- High-precision ADC
- Controllable 5V output voltage
- Six ER26500 lithium cells (3.6V)
- IP65 PC+ABS shell

Applications

Remote pressure data logging

Specifications

Wireless	
Working frequency (LoRaWAN, under development)	434MHz/470MHz/868MHz/915MHz
Working frequency (NB-IoT)	B1/B3/B5/B8/B20
Equipment type (LoRaWAN)	Class A
Antenna interface	FPC antenna

Electrical	
Operating voltage	Lithium battery ER26500 (3.6V), 6 cells
Controllable output voltage	5V
Input standard signal	(0.25–2.25) VDC (customizable)
Transmitter terminal connection	Pin1-power supply, Pin2-output, Pin3-GND, Pin4-shield (terminal type: M12 aviation connector)
Acquisition accuracy	0.1%

Battery life	3 years - 5 years
Maximum working current (NB-IoT)	<350mA
Maximum working current (LoRaWAN)	<200mA
Sleeping current	<25.0uA

Mechanical

Protection level	IP65
Shell material	PC+ABS (anti-aging, anti-corrosion, anti-impact material)

Environmental

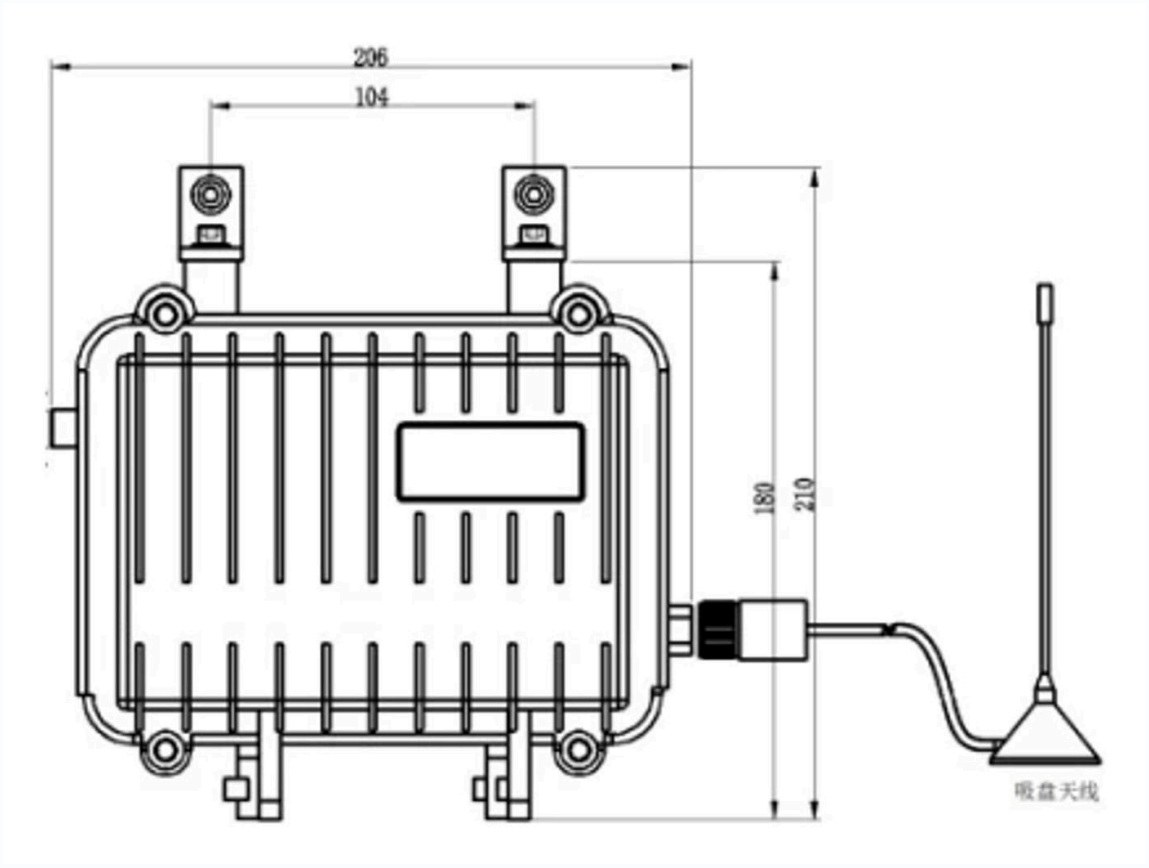
Operating temperature	(-20–+70)°C
Storage temperature	(-40–+85)°C

Ordering and support

Pricing, samples, lead time and custom versions: dwinsales@163.com, +86 181 0280 8901.

Guangzhou Dwin Technology Co., Ltd., 4th Floor, Building 2, No. 4 Xingye Road, Xiaowu Second Industrial Zone, Dongyong Town, Nansha District, Guangzhou, China. Specifications are typical values and may change without notice; confirm critical values with DWIN before design-in. Revision 2026-11.

Dimensions and wiring



Drawings are for reference. Dimensions in millimetres unless stated.