

UbiBot® Wireless Multi-Sensor Device Series



UBIBOT GS1 - PL4G1RS

UbiBot® industrial-grade GS1-PL4G1RS supports WiFi and 4G connection, also embedded with positioning module for real-time positioning. An external 'BD GPS Active Antenna' is connected to receive satellite signal.

Built-in temperature, humidity and ambient light sensors, supporting RS485 external probes, only one of each type can be connected at a time.

• Technical specifications

Temperature : -20°C to 60°C (-4°F to 140°F)

Humidity : 10% to 90%, No condensation

Ambient light : 0-83k lux

Accuracy : Temperature ± 0.3 °C, humidity $\pm 3\%$, ambient light $\pm 2\%$

Memory : 300,000 sensor records

• Network connection

WiFi : 2.4GHz or 2.4/5GHz, channels 1-13 (5GHz WiFi NOT supported)

Mobile Networks: LTE FDD: B1/ B3 /B5/ B8; LTD TDD: B34/ B38/ B39/ B40/ B41; WCDMA: B1/ B8; TD-SCDMA: B34/ B39; CDMA: BC0; GSM Band: 900/1800 MHz

GNSS Function: GPS, GLONASS, BeiDou/Compass, Galileo, QZSS

• Physical specifications

Materials : Flame resistant ABS + PC

Dimensions : 11.5 x 9 x 5.5 cm

Weight : 450g \pm 3g

Colour : white

Screen : 4"

Ports : 1*Type-C; 1*3.5mm Audio

Power Source : Internal Lithium batteries (2900 mAh); Type C 5V (USB cable included); DC 12V (not included)

• External probes

Support TH30S-B, Soil probe, PT-100, wind speed sensor, CO2 probe; only one of each type can be connected at a time

• List of one single pack

1 x GS1-PL4G1RS device; 1 x External BD GPS Active Antenna; 1 x Manual book; 1 x Type-C USB cable