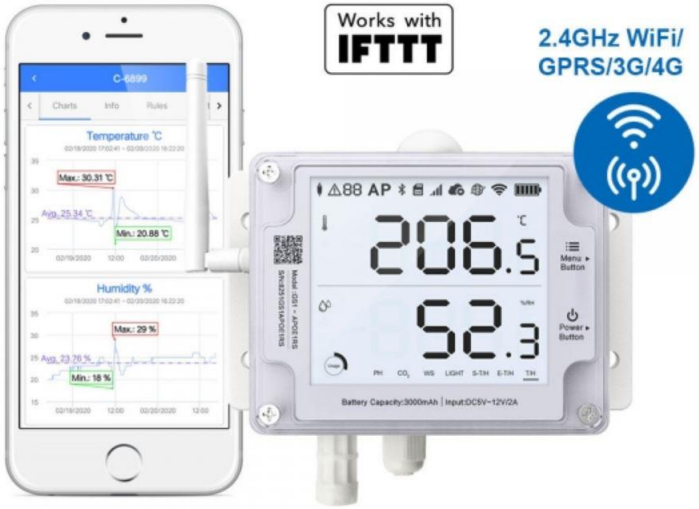
UbiBot GS1-AL4G1RS
Industrial-Grade WIFI SIM Temperature Humidity Light Data Logger IoT System



Model: UBIGS1AL4G1RS
Manufacture warranty: 12 months
Country of Origin: China

Descriptions

WiFi and Mobile Network model: The device can connect to both 2.4GHz WiFi router network and mobile GPRS/3G/4G networking using a SIM card. (SIM card is not provided).

The UbiBot ® GS1 uses the cutting-edge IoT technologies to offer a more stable environmental monitoring with high performance. Embedded with WiFi and GPRS/3G/4G, it detects environmental data all day round and automatically syncs all the data to the UbiBot ®IoT Platform. The clear 4'' screen allows you to instantly view the latest data. You can also access your device readings in real-time via our App or using a browser anywhere in the world. The embedded RS485 interface ensures your use of external probe in the most extreme conditions.

Our cloud-based IoT platform offers advanced data analysis and management. It also allows you to setup real-time notifications - if a metric goes outside the range you specify, the platform will notify you through the app, by email, SMS text, voice call and HTTP, allowing you to respond promptly before costly damage happens. Please note, charges may apply to SMS text and voice call alert modes. These two modes cost the balance of the credits in your account. The IoT platform gives users access to both the real-time data and history via our mobile app or on any browser.
The device can store up to 300,000 records in its internal memory, which can protect your data against network failure. Even if the network fails, the UbiBot GS1 still stores readings, thus ensuring there are no gaps in the data history.

GMM Technoworld Pte Ltd
8 Burn Road #05-01 Trivex Singapore 369977
Tel: +65-6386 1815 Email: sales@testmeter.sg

Features

- Free App & email alerts
- Instant data visualization via LCD screen
- Data sync via WiFi & Ethernet cable connectivity
- 24/7 temperature & humidity monitoring
- **IP 65, waterproof against rain and spray**
- Multiple power supply methods
- Larger internal storage with up to 300,000 records
- No hub required

Applications

- Online real-time detecting temperature, humidity and light level
- Agriculture
- Greenhouse
- Museum
- Wine Cellar
- Pharmacy
- Horticulture
- Animal Breeding Warehouse

Dimension:

- 11.5 x 9 x 5.5 cm
- Weight: 450 grams

Package List

- 1 x GS1-AL4G1RS
- 1 x manual book
- 1 x Type-C USB cable

Specification:

- Temperature
  - Range: -20℃ to 60℃(-4℉ to 140℉)
  - Accuracy: ±0.3℃
- Humidity
  - Range: 10% to 90%
  - Accuracy: ±3%RH
- External Light
  - Range: 0 to 83,000 lux
  - Accuracy: ±2%
- Memory: 300,000 sensor records
- Optional RS485 Probes: TH30S-B probe, Soil temperature and humidity probe, PT-100 probe
- WiFi Specifications: **2.4GHz**, channels 1-13 **(5GHz WiFi NOT supported)**
- Mobile Networks: Supports GPRS/3G/4G (micro SIM). SIM card is not provided.
- Screen Size: 4''
- Colour: White
- Material: Flame resistant ABS+PC
- Switch Type: button
- Power Source:
  - Internal Lithium 2900mAh batteries (Built-in)
  - Type-C 5V USB Cable (Provided)
  - DC 12V (Optional)

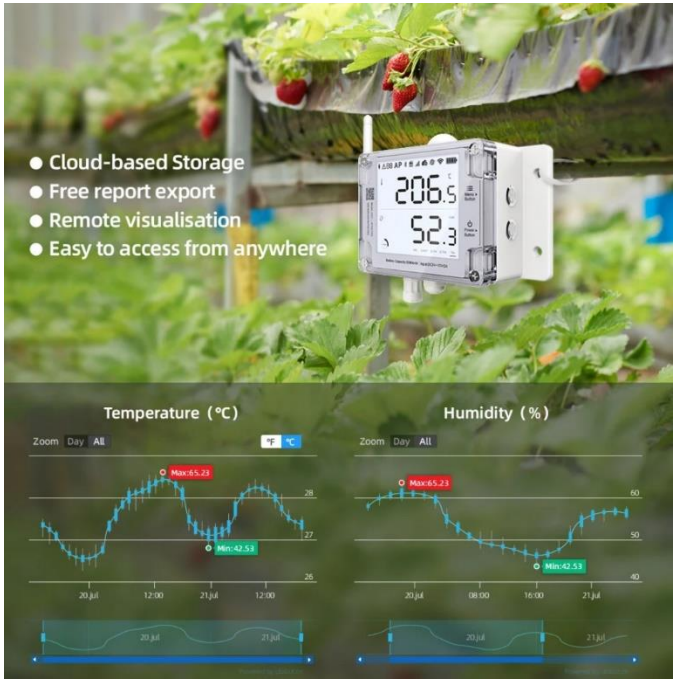
GMM Technoworld Pte Ltd
8 Burn Road #05-01 Trivex Singapore 369977
Tel: +65-6386 1815 Email: sales@testmeter.sg

External Probe Selection (Optional):

- External DS18B20 temperature probe
- RS485 temperature and humidity probe
- Soil temperature and humidity probe
- PT100 industrial-grade temperature probe

⚠ Supports up to 4 probes simultaneously, 1 of each type.
The TH30S-B probe isn't compatible with CO2 probe.
Avoid using them together.

Multiple Accurate Sensors integrated into One Device



GMM Technoworld Pte Ltd
8 Burn Road #05-01 Trivex Singapore 369977
Tel: +65-6386 1815 Email: sales@testmeter.sg

The cloud-based IoT platform offers advanced data analysis and management. It also allows you to setup real-time notifications - if a metric goes outside the range you specify, the platform will notify you through the app, by email or other methods, allowing you to respond promptly before costly damage happens. The IoT platform gives users access to both the real-time data and history via our mobile app or on any browser. We are now working with IFTTT (if this then that), allowing you to build custom link with other smart devices.

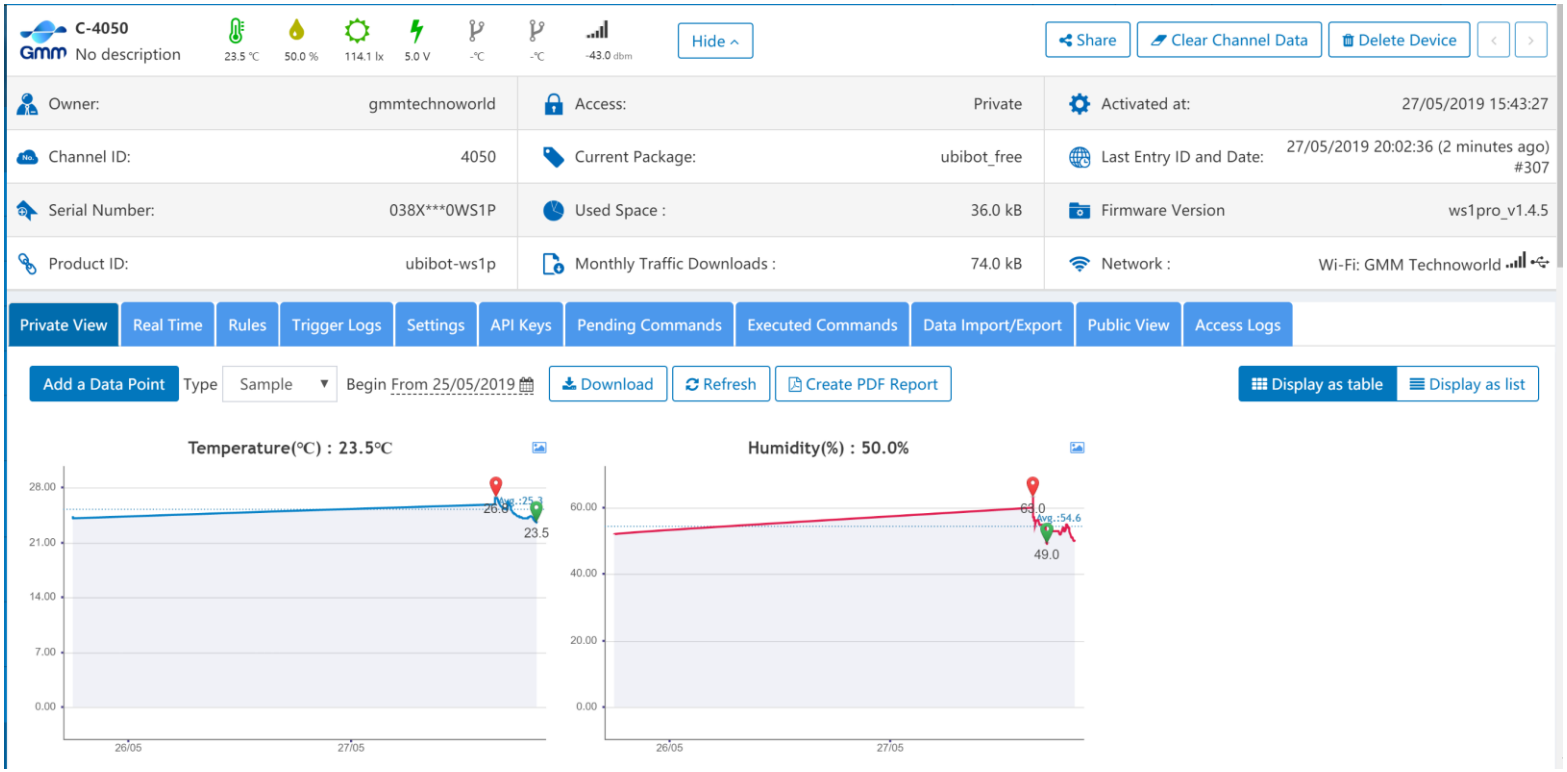
The data sync interval can be set by you. This allows you to balance battery life against frequency of data capture. With the default data sync interval of 15 minutes the device has a battery life of up to 4- 6 months using 2 AA alkaline batteries. Power-supply using Micro-USB is supported. You can check the battery voltage of the device remotely and set up rules to be notified when low-battery, network failure or sensor reading exceeds the setting range. Available rule alerts include Email, APP. Please note, charges may apply to SMS text and voice call alert modes. These two modes cost the balance of the credits in your account.

No subscription is needed. Free 200MB Cloud Storage enough to store data over 2 years on default settings. Export the data to CSV or PDF without extra charge.

View through mobile APP

Data download in CSV format

created_at	field1 (Temperature ºC)	field2 (Humidity)	field3(Light)	field4(Voltage)
2019-05-27T15:28:08+08:00	25.88121	60	81.639999	5
2019-05-27T15:28:10+08:00	25.894562	60	76.439995	5
2019-05-27T15:28:12+08:00	25.937286	61	76.919998	5
2019-05-27T15:28:14+08:00	25.937286	61	79.5	5
2019-05-27T15:28:15+08:00	25.96666	62	77.799995	5
2019-05-27T15:28:16+08:00	25.96666	62	75.919998	5
2019-05-27T15:28:18+08:00	26.006714	62	76.860001	5
2019-05-27T15:28:19+08:00	26.022736	62	77.720001	5
2019-05-27T15:28:25+08:00	26.121536	63	78.540001	5
2019-05-27T15:28:47+08:00	26.404594	60	97.439995	5
2019-05-27T15:28:51+08:00				
2019-05-27T15:29:47+08:00	26.615547	58	78.939995	
2019-05-27T15:30:47+08:00	26.658272	58	86.559998	
2019-05-27T15:31:47+08:00	26.700996	57	96.839996	
2019-05-27T15:32:47+08:00	26.700996	57	84.479996	
2019-05-27T15:33:47+08:00	26.743721	57	83.279999	

GMM Technoworld Pte Ltd
8 Burn Road #05-01 Trivex Singapore 369977
Tel: +65-6386 1815 Email: sales@testmeter.sg

View dashboard through PC