



UbiBot WS1-Pro (4G SIM / 2.4GHz Wifi) Temperature Humidity Light Data Logger IoT System

SKU: UBIWS1PROSIM
Manufacture Warranty period: 12 months
Country of Origin: China

Introduction

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 ® WS1 Pro is a state-of-the-art environmental monitoring system that leverages the latest IoT technologies. Collect environmental data in real-time and automatically sync all the data to the UbiBot ®IoT Platform using the built-in GPRS/3G/4G and WiFi. The clear 4.4” 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 an 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, 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.

We are now working with IFTTT (if this then that), allowing you to build a custom link with other smart devices.

The device can store over 300,000 records in its internal memory, which can protect your data against network failure. Even if the network fails, the UbiBot WS1 Pro still stores readings, thus ensuring there are no gaps in the data history.

The data sync interval can be set by you. This allows you to balance battery life against the frequency of data capture. With the default data sync interval of 15 minutes, using a WiFi connection, the device has a battery life of up to 4- 6 months using 4 AA alkaline batteries.

Features

- Free App & email alerts
- Instant data visualization via an LCD screen
- Data sync via WiFi & SIM connectivity
- 24/7 temperature & humidity monitoring
- Battery-powered, place it anywhere
- Easy 3-minute setup
- Customise alert settings
- No hub required

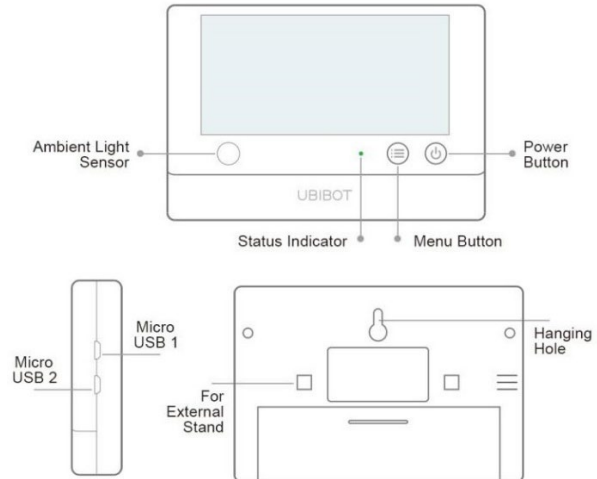
Specifications

Temperature	
Range:	-20°C to 60°C (-4°F to 140°F)
Accuracy:	±0.3°C (0°C to 60°C)
Humidity	
Range:	10% to 90%
Accuracy:	±3%RH @ 25°C
Ambient Light level	
Range:	0 to 83,000 Lux
Accuracy:	±2%

Memory	300,000 sensor records
Wifi Specifications	2.4GHz, channels 1-13 (5GHz WiFi NOT supported)
Mobile Networks	Supports GPRS/3G/4G (micro SIM). SIM card is not provided.
LTE Band	LTE FDD: B1/ B3/ B5/ B8
	LTD TDD: B34/ B38/ B39/ B40/ B41
	WCDMA: B1/ B8
TD-SCDMA	B34/ B39
3G Band	CDMA: BC0
GSM Band	900/1800 Mhz
Type of SIM Card	Micro 4G SIM card
Screen Size	10.4 x 5cm (4.1")
Ports	2 x Micro USB
External Probe	Supports DS18B20 probe (optional extra)
Colour	White
Material	Flame resistant ABS+PC
Power Source	4 x AA Batteries
	Micro USB (5V2A)
Dimensions	12.6 x 8.6 x 2.25 cm
Weight	143g ± 3g
Battery Life	4-6 months (WiFi only)
	1-2 months (WiFi and SIM)
	1-4 weeks (SIM)*
*The quoted battery life was tested using VARTA industrial batteries under stable signal conditions with default synchronisation and sampling settings.	

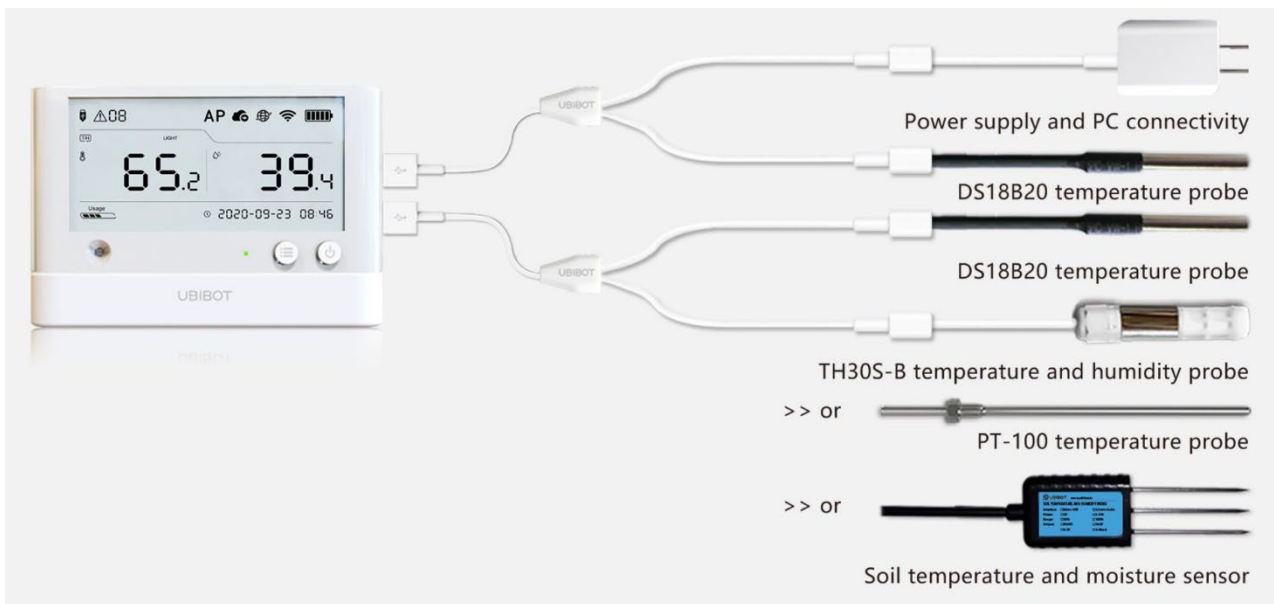
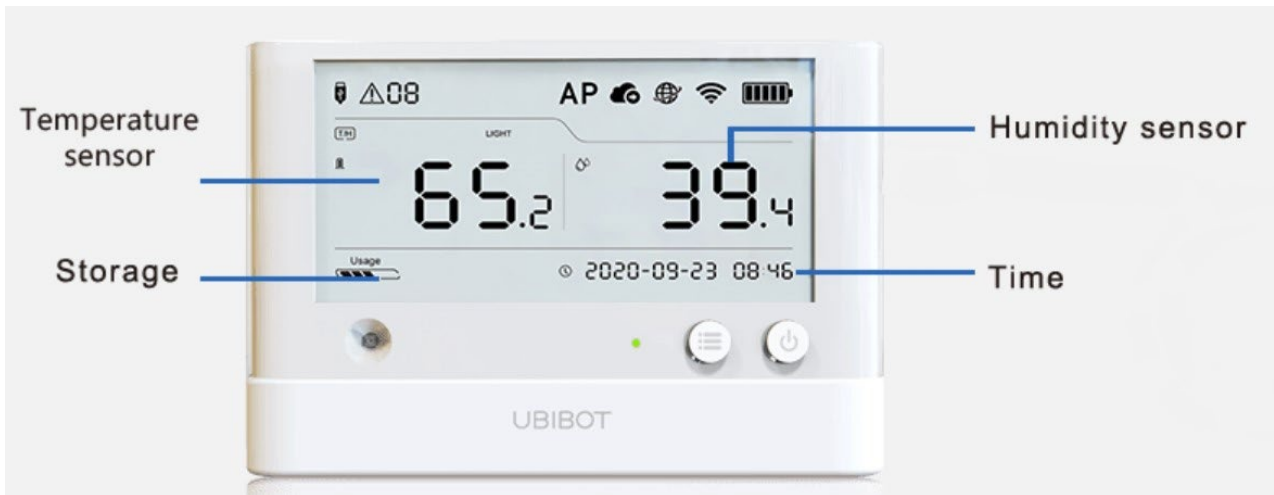
Package includes

1 x WS1-Pro
1 x Desktop Stand
1 x Manual book
1 x Type-C USB cable (1m)



Receive an alert instantly when thresholds you set are exceeded, or if any device goes offline





The cloud-based IoT platform

UbiBot[®] offers a revolutionary way to monitor environmental conditions where they matter. The sensors synchronize data to UbiBot[®] IoT Platform using WiFi, Cellular or Ethernet connection (depending on the specific model purchased). Users can then access data from anywhere via a smartphone or the Web console.

Features:

- **Data Management:** Manage all your IoT data in one place; you could add as many devices as you want to one UbiBot account.
- **Unlimited Storage:** Unlimited cloud-based storage ensures you will never run out of space. This allows you to view all your historical data via UbiBot App or Web.
- **Free App & Web Console:** Using UbiBot App and Web Console is free. Powerful and thoughtful features provide you brilliant experience.
- **Analysis and Visualization:** Use powerful analysis and visualization tools to get the most out of your data; spot trends and direct comparisons.
- **Real-Time Alerts:** Fully customizable alert system will notify you via App notifications, emails, phone call/SMS, HTTP whenever any metric goes out of the range preset.
- **Highly Secure Platform:** UbiBot IoT platform is designed to keep all your data secure so you never have to worry about hackers or other security issues.
- **Working with IFTTT, Alexa, Google Assistant, Google Sheet**
- Compliant with FDA CFR21

Details:

Real-time and history data

The UbiBot Platform is a cloud-based IoT platform where all measured data is uploaded and stored. UbiBot App and Web Console allow you to view current data as well as historical data in graphs.

Customizable alerts and bulk operation

Setting and receiving alerts on your devices helps you to get notified of the conditions timely. When you have many devices to manage, it's time-consuming to set each alert rule one by one. Therefore, we've developed a bulk operation module with which you can set the same rule for many devices at a time.

Data export

On UbiBot Platform, you can download the history data in CSV or PDF format. The CSV file only contains raw data, while the PDF file is a summarized report with average, maximum and minimum value within the chosen period. The PDF file is much easier to read and archive.

Device sharing and bulk operation

For business users, centralized control over multiple devices is available, with no limit on the number of devices in one account. Also available are bulk operations that apply to sensor settings, alerts, and remote control routines. Devices can be shared with other people, which allows for distributed management by different colleagues.

Intelligent automation in UbiBot platform

UbiBot is committed to building intelligent industrial and home ecosystems. By integrating temperature and humidity sensors and the smart plug SP1 in one system, automated operation is achieved through data linkage. For example, fans can be switched on when the temperature rises to 30 °C.

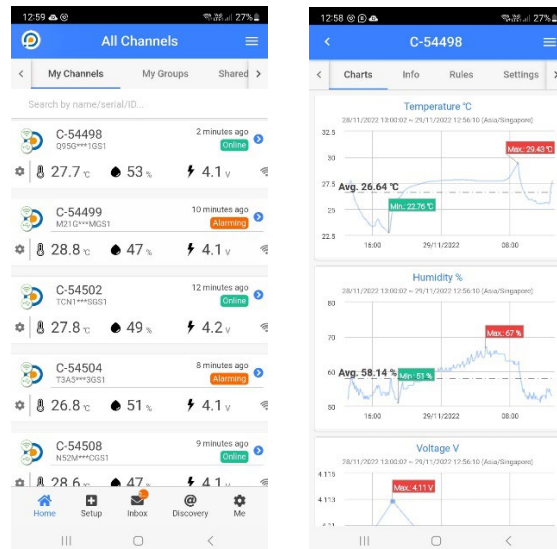
Data forwarding

UbiBot is an open platform that provides cloud-based services while supporting customers to use their own storage servers. With the data forwarding service, you can forward the data collected by your device to your own private URL to protect privacy.

Platform-based calibration

UbiBot platform supports data calibration both on the platform level as well as the device level. One-step calibration, instant display, no impact on historical data.

View Data from Mobile APP Dashboard



View Data from PC Dashboard

Channel ID	Channel Name	Device ID	Parameter	Sensor Readings								Level Upgrade	Business Usage	Channel ID
C-5498	GMM Showroom - Pioneer	98-10000000000000000000	Temperature	26.6	53.0	4.1	-45	109.1	629.6	30.2	49.4	14.19.2022 ago	10/11/2022 15:17:52 (Asia/Singapore)	10/11/2022 15:17:52 (Asia/Singapore)
C-5498	GMM Showroom - WSPm	98-10000000000000000000	Humidity	26.6	53.0	4.1	-45	109.1	629.6	30.2	49.4	14.19.2022 ago	10/11/2022 15:17:52 (Asia/Singapore)	10/11/2022 15:17:52 (Asia/Singapore)
C-5498	GMM Showroom - Q95	98-10000000000000000000	Voltage	26.6	53.0	4.1	-45	109.1	629.6	30.2	49.4	14.19.2022 ago	10/11/2022 15:17:52 (Asia/Singapore)	10/11/2022 15:17:52 (Asia/Singapore)
C-5498	GMM-G33 Controller	98-10000000000000000000	WiFi RSSI	26.6	53.0	4.1	-45	109.1	629.6	30.2	49.4	14.19.2022 ago	10/11/2022 15:17:52 (Asia/Singapore)	10/11/2022 15:17:52 (Asia/Singapore)
C-5498	C-5498	98-10000000000000000000	Temperature	26.6	53.0	4.1	-45	109.1	629.6	30.2	49.4	14.19.2022 ago	10/11/2022 15:17:52 (Asia/Singapore)	10/11/2022 15:17:52 (Asia/Singapore)
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Home
0.00 Credits
SIM Card
Messages
Spam
Privacy
API Docs
Blue
English
suz***@gmm.com.sg

C-5498
No description

26.6 53.0 4.1 -45 109.1 629.6 30.2

49.4

Show all sensors

Orders

Bills

Share

Clear Channel Data

Delete Device

Owner: gmmtechnoworld Access: Private Space Activated at: 10/11/2022 15:17:52 (Asia/Singapore)

Channel ID: 54498 Current Plan: ubiBot_free Change Last Entry ID and Date: 28/11/2022 13:41:45 (5 minutes ago) #15606

Serial Number: Q95G***1GS1 Copy Used Space: 1.9 MB Firmware Version: gs1_v1.2.7

Product ID: ubiBot-gs1-aeth1rs Monthly Traffic Downloads: 118.8 KB Network: MAC Address: fc:45:c3:b7:8e:7d Copy Wi-Fi: GMMTechnoworld

Private View Rules Trigger Logs Settings Pending Commands Executed Commands API Keys Data Import/Export Public View Logs

Sample From 28/11/2022 To 28/11/2022 Refresh Download Select sensor Accessibility Chart Extension

Temperature(°C) : 26.6°C

Humidity(%) : 53.0%


Voltage(V) : 4.1V

WiFi RSSI(dBm) : -45.0dBm



Download Data in Excel or PDF Format

created_at	field1 (Temperature °C)	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	



Data Report-GMM Showroom Freezer 1[CHANNEL ID:59278] File Created A31/05/2023 18:59:12

Sensor	Maximum	Minimum	Average
WiFi RSSI(dBm)	-23.00	-43.00	-28.11
External Temperature Probe(°C)	7.81	-25.31	-19.02

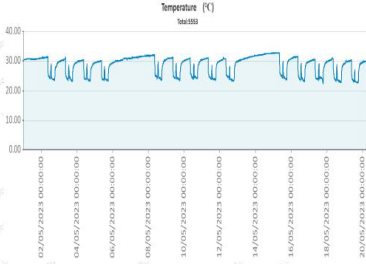
Data Report

Channel Name: GMM Showroom Freezer 1
 Data Start: 01/05/2023 00:00:00 to 30/05/2023 00:00:00
 Report Generated: 31/05/2023 18:57:59

The current data transmission has been truncated, there are 8000 pieces of data in total.
 Timezone: Asia/Singapore

Device Information

Channel Name: GMM Showroom Freezer 1	Permission: Public	Activated at: 10/02/2023 15:19:55
Channel ID: 59278	Plan ID: ubibot_free	Last Entry: 31/05/2023 18:54:49
Serial: DR8294WSL	Storage Used: 16.99 MB	Firmware: v3.0.1
Product ID: ubibot-ws1	Download Traffic: 583.97 kB	WiFi SSID: GMMTechnoworld



Sensor	Maximum	Minimum	Average
Temperature(°C)	32.82	22.52	28.65
Humidity(%)	68.00	45.00	57.81
Light(lux)	366.24	0.08	101.81
Voltage(V)	5.00	5.00	5.00

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Entry	Created At	Temperature	Entry	Created At	Temperature			
1	01/05/2023 00:00:56	30.48	44	01/05/2023 03:38:59	30.58	87	01/05/2023 07:34:01	30.66
2	01/05/2023 00:08:55	30.59	45	01/05/2023 03:48:59	30.52	88	01/05/2023 07:39:01	30.60
3	01/05/2023 00:13:55	30.56	46	01/05/2023 03:48:59	30.50	89	01/05/2023 07:34:01	30.70
4	01/05/2023 00:18:56	30.53	47	01/05/2023 03:53:59	30.55	90	01/05/2023 07:29:01	30.66
5	01/05/2023 00:23:56	30.59	48	01/05/2023 03:58:59	30.53	91	01/05/2023 07:34:01	30.69
6	01/05/2023 00:28:56	30.50	49	01/05/2023 04:03:59	30.53	92	01/05/2023 07:39:01	30.71
7	01/05/2023 00:33:56	30.46	50	01/05/2023 04:08:59	30.69	93	01/05/2023 07:44:01	30.66
8	01/05/2023 00:38:56	30.55	51	01/05/2023 04:13:59	30.65	94	01/05/2023 07:49:01	30.65
9	01/05/2023 00:43:56	30.50	52	01/05/2023 04:18:59	30.66	95	01/05/2023 07:54:01	30.69
10	01/05/2023 00:48:56	30.50	53	01/05/2023 04:23:59	30.73	96	01/05/2023 07:59:01	30.60
11	01/05/2023 00:53:56	30.62	54	01/05/2023 04:28:59	30.73	97	01/05/2023 08:04:01	30.65
12	01/05/2023 00:58:56	30.59	55	01/05/2023 04:33:59	30.71	98	01/05/2023 08:09:01	30.73
13	01/05/2023 01:03:56	30.53	56	01/05/2023 04:38:59	30.60	99	01/05/2023 08:14:01	30.66
14	01/05/2023 01:08:56	30.59	57	01/05/2023 04:43:59	30.73	100	01/05/2023 08:19:01	30.65
15	01/05/2023 01:13:56	30.45	58	01/05/2023 04:48:59	30.74	101	01/05/2023 08:24:01	30.74
16	01/05/2023 01:18:56	30.45	59	01/05/2023 04:53:59	30.64	102	01/05/2023 08:29:01	30.65
17	01/05/2023 01:23:56	30.57	60	01/05/2023 04:58:59	30.76	103	01/05/2023 08:34:01	30.62
18	01/05/2023 01:28:56	30.50	61	01/05/2023 05:03:59	30.74	104	01/05/2023 08:39:01	30.69
19	01/05/2023 01:33:56	30.49	62	01/05/2023 05:08:59	30.81	105	01/05/2023 08:44:01	30.65
20	01/05/2023 01:38:56	30.59	63	01/05/2023 05:13:59	30.77	106	01/05/2023 08:49:01	30.63
21	01/05/2023 01:43:56	30.49	64	01/05/2023 05:18:59	30.79	107	01/05/2023 08:54:01	30.71
22	01/05/2023 01:48:56	30.46	65	01/05/2023 05:23:59	30.89	108	01/05/2023 08:59:01	30.65
23	01/05/2023 01:53:56	30.53	66	01/05/2023 05:28:59	30.74	109	01/05/2023 09:04:01	30.62
24	01/05/2023 01:58:56	30.48	67	01/05/2023 05:33:59	30.76	110	01/05/2023 09:09:01	30.69
25	01/05/2023 02:03:56	30.43	68	01/05/2023 05:38:59	30.77	111	01/05/2023 09:14:01	30.63
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27	01/05/2023 02:13:56	30.53	70	01/05/2023 05:49:00	30.70	113	01/05/2023 09:24:01	30.70
28	01/05/2023 02:18:56	30.59	71	01/05/2023 05:54:00	30.68	114	01/05/2023 09:29:01	30.69
29	01/05/2023 02:23:56	30.56	72	01/05/2023 05:59:00	30.73	115	01/05/2023 09:34:01	30.62
30	01/05/2023 02:28:56	30.50	73	01/05/2023 06:04:00	30.65	116	01/05/2023 09:39:01	30.67
31	01/05/2023 02:33:56	30.45	74	01/05/2023 06:09:00	30.73	117	01/05/2023 09:44:01	30.58
32	01/05/2023 02:38:56	30.55	75	01/05/2023 06:14:00	30.67	118	01/05/2023 09:49:01	30.60
33	01/05/2023 02:43:56	30.50	76	01/05/2023 06:19:00	30.67	119	01/05/2023 09:54:01	30.65
34	01/05/2023 02:48:56	30.52	77	01/05/2023 06:24:00	30.77	120	01/05/2023 09:59:01	30.66
35	01/05/2023 02:53:56	30.63	78	01/05/2023 06:29:00	30.73	121	01/05/2023 10:04:01	30.63
36	01/05/2023 02:58:56	30.55	79	01/05/2023 06:34:00	30.67	122	01/05/2023 10:09:01	30.73
37	01/05/2023 03:03:56	30.47	80	01/05/2023 06:39:00	30.74	123	01/05/2023 10:14:01	30.66
38	01/05/2023 03:08:56	30.55	81	01/05/2023 06:44:00	30.65	124	01/05/2023 10:19:01	30.62
39	01/05/2023 03:13:56	30.49	82	01/05/2023 06:49:00	30.65	125	01/05/2023 10:24:01	30.66
40	01/05/2023 03:18:56	30.50	83	01/05/2023 06:54:00	30.63	126	01/05/2023 10:29:01	30.59
41	01/05/2023 03:23:56	30.60	84	01/05/2023 06:59:00	30.73	127	01/05/2023 10:34:01	30.59
42	01/05/2023 03:28:56	30.56	85	01/05/2023 07:04:00	30.70	128	01/05/2023 10:39:01	30.67
43	01/05/2023 03:33:56	30.50	86	01/05/2023 07:09:00	30.77	129	01/05/2023 10:44:01	30.60

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