

UbiBot WS1-Pro (WiFi only) Temperature Humidity Light Data Logger IoT System

SKU: UBIWS1PRO
Manufacture Warranty period: 12 months
Country of Origin: China

Introduction

WiFi-only model: The device can only connect to the 2.4GHz WiFi router network.
5GHz WiFi is NOT supported.

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 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.

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 months using 4 AA alkaline batteries.

Features

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

Applications

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



Specifications

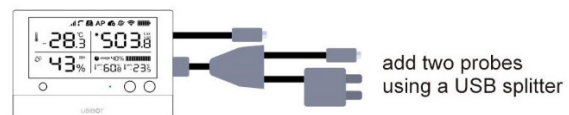
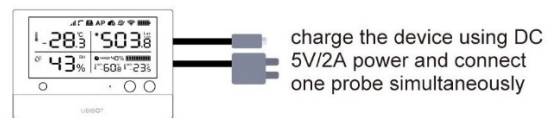
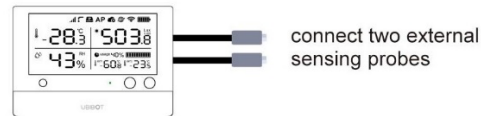
Temperature	
Range:	-20°C to 60°C (-4°F to 140°F)
Accuracy:	±0.3°C (0°C to 60°C)
Humidity	
Range:	10% to 90%
Accuracy:	±3%RH @ 25°C
Ambient Light level	
Range:	0 to 83,000 Lux
Accuracy:	±2%

Compatibility	iOS 11+, Android 8.1+, or Windows 7+, or macOS v10.8+
Memory	300,000 sensor records
Network:	Supports Wifi, GPRS / 3G/4G
Wifi Channel width:	Supports 20MHz or "Auto" Setting
WiFi Security:	Supports OPEN, WEP, or WPA/WPA2 types, WPA2-Enterprise (802.1x / RADIUS authentication) network is not supported,
Wifi	Requires 2.4GHz (802.11 b/g/n), channels 1-13 (5GHz WiFi NOT supported)
Screen Size	10.4 x 5cm (4.4")
Ports	2 x Micro USB
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

Package includes

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

The device comes with one Micro USB port, allowing you to

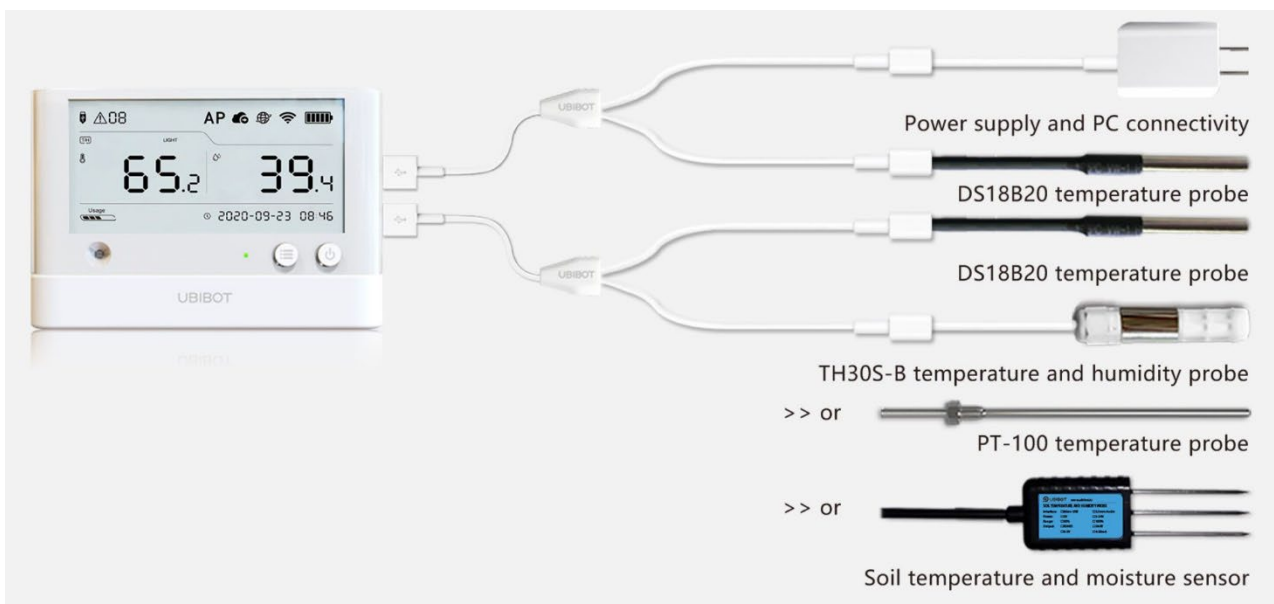
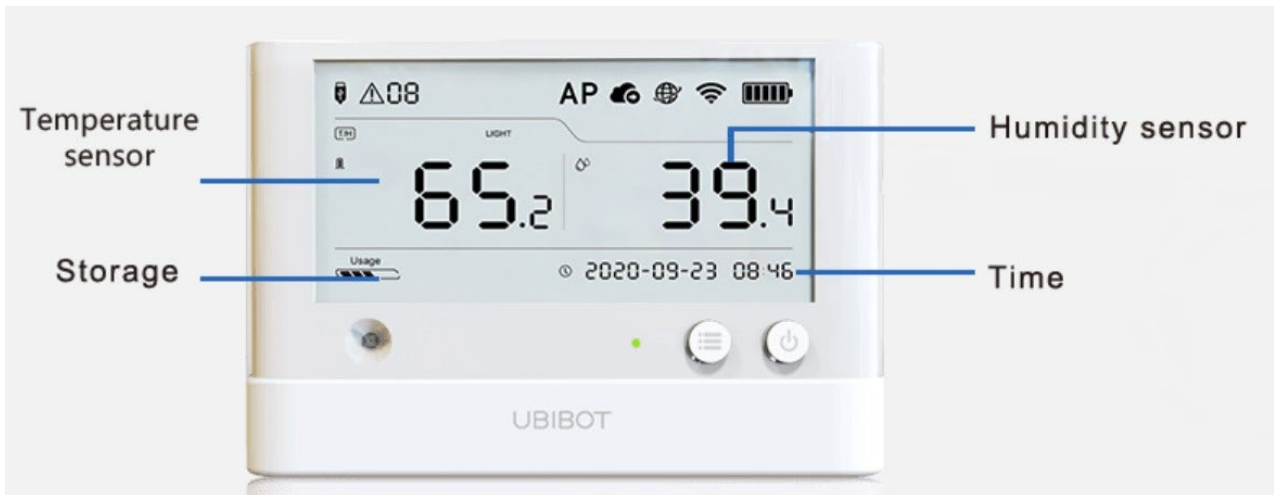


*The splitter and external probe are optional.



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.

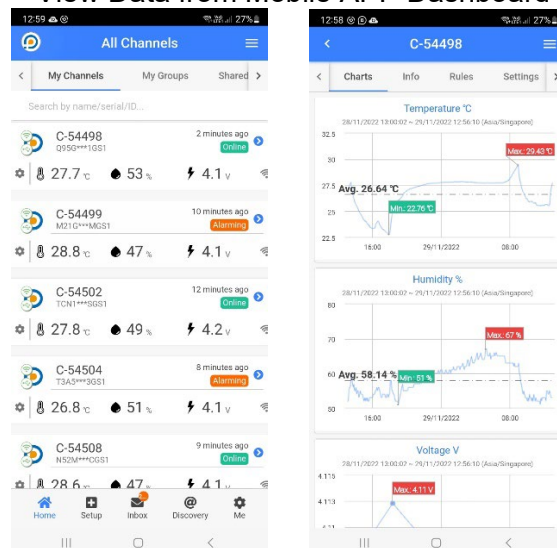
Data forwarding

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 Upgrade	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	14.10.2022	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	14.10.2022	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	14.10.2022	10/11/2022 15:17:52 (Asia/Singapore)	10/11/2022 15:17:52 (Asia/Singapore)
C-5498	GMM-Q95 Controller	98-10000000000000000000	WiFi RSSI	26.6	53.0	4.1	-45	109.1	629.6	30.2	49.4	14.10.2022	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	14.10.2022	10/11/2022 15:17:52 (Asia/Singapore)	10/11/2022 15:17:52 (Asia/Singapore)
C-5498	C-5498	98-10000000000000000000	Humidity	26.6	53.0	4.1	-45	109.1	629.6	30.2	49.4	14.10.2022	10/11/2022 15:17:52 (Asia/Singapore)	10/11/2022 15:17:52 (Asia/Singapore)
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C-5498
No description

26.6 53.0 4.1 -45 109.1 629.6 30.2 49.4

Home 0.00 Credits SIM Card Messages Spare Priv API Block Blue English suz***@gmm.com.sg

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

Show all sensors Orders Bills Share Clear Channel Data Delete Device

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

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
Channel ID: 59273
Serial: DR294W5L1
Product ID: ubibot-w1

Permission: Public
Plan ID: ubibot_free
Storage Used: 16.99 MB
Download Traffic: 583.97 kB

Activated at: 10/02/2023 15:19:55
Last Entry: 31/05/2023 18:54:49
Firmware: v3.0.1
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

Data Report-GMM Showroom Freezer 1[CHANNEL ID:59273] File Created: 31/05/2023 18:59:12

Sensor	Maximum	Minimum	Average
WiFi RSSI(dBm)	-23.00	-43.00	-28.11
External Temperature Probe(°C)	7.81	-25.11	-19.02

Data Report-GMM Showroom Freezer 1[CHANNEL ID:59273] File Created: 31/05/2023 18:59:12

GMM Showroom Freezer 1[Channel ID: 59273] Temperature(°C)

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 03:43:59	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 07:44:01	30.70
4	01/05/2023 00:18:56	30.53	47	01/05/2023 03:53:59	30.55	90	01/05/2023 07:49:01	30.66
5	01/05/2023 00:23:56	30.59	48	01/05/2023 03:58:59	30.53	91	01/05/2023 07:54:01	30.69
6	01/05/2023 00:28:56	30.50	49	01/05/2023 04:03:59	30.53	92	01/05/2023 07:59:01	30.71
7	01/05/2023 00:33:56	30.46	50	01/05/2023 04:08:59	30.69	93	01/05/2023 07:44:02	30.66
8	01/05/2023 00:38:56	30.55	51	01/05/2023 04:13:59	30.65	94	01/05/2023 07:49:02	30.65
9	01/05/2023 00:43:56	30.50	52	01/05/2023 04:18:59	30.66	95	01/05/2023 07:54:02	30.69
10	01/05/2023 00:48:56	30.50	53	01/05/2023 04:23:59	30.73	96	01/05/2023 07:59:02	30.60
11	01/05/2023 00:53:56	30.62	54	01/05/2023 04:28:59	30.73	97	01/05/2023 08:04:02	30.65
12	01/05/2023 00:58:56	30.59	55	01/05/2023 04:33:59	30.71	98	01/05/2023 08:09:02	30.73
13	01/05/2023 01:03:56	30.53	56	01/05/2023 04:38:59	30.60	99	01/05/2023 08:14:02	30.66
14	01/05/2023 01:08:56	30.59	57	01/05/2023 04:43:59	30.73	100	01/05/2023 08:19:02	30.65
15	01/05/2023 01:13:56	30.45	58	01/05/2023 04:48:59	30.74	101	01/05/2023 08:24:02	30.74
16	01/05/2023 01:18:56	30.45	59	01/05/2023 04:53:59	30.64	102	01/05/2023 08:29:02	30.65
17	01/05/2023 01:23:57	30.57	60	01/05/2023 04:58:59	30.76	103	01/05/2023 08:34:02	30.62
18	01/05/2023 01:28:57	30.50	61	01/05/2023 05:03:59	30.74	104	01/05/2023 08:39:02	30.69
19	01/05/2023 01:33:57	30.49	62	01/05/2023 05:08:59	30.81	105	01/05/2023 08:44:02	30.65
20	01/05/2023 01:38:57	30.59	63	01/05/2023 05:13:59	30.77	106	01/05/2023 08:49:02	30.63
21	01/05/2023 01:43:57	30.49	64	01/05/2023 05:18:59	30.79	107	01/05/2023 08:54:02	30.71
22	01/05/2023 01:48:57	30.46	65	01/05/2023 05:23:59	30.89	108	01/05/2023 08:59:02	30.65
23	01/05/2023 01:53:57	30.53	66	01/05/2023 05:28:59	30.74	109	01/05/2023 09:04:02	30.62
24	01/05/2023 01:58:57	30.48	67	01/05/2023 05:33:59	30.76	110	01/05/2023 09:09:02	30.69
25	01/05/2023 02:03:57	30.43	68	01/05/2023 05:38:59	30.77	111	01/05/2023 09:14:02	30.63
26	01/05/2023 02:08:57	30.56	69	01/05/2023 05:44:00	30.73	112	01/05/2023 09:19:02	30.63
27	01/05/2023 02:13:57	30.53	70	01/05/2023 05:49:00	30.70	113	01/05/2023 09:24:02	30.70
28	01/05/2023 02:18:57	30.59	71	01/05/2023 05:54:00	30.68	114	01/05/2023 09:29:02	30.69
29	01/05/2023 02:23:58	30.56	72	01/05/2023 05:59:00	30.73	115	01/05/2023 09:34:02	30.62
30	01/05/2023 02:28:58	30.50	73	01/05/2023 06:04:00	30.65	116	01/05/2023 09:39:02	30.67
31	01/05/2023 02:33:58	30.45	74	01/05/2023 06:09:00	30.73	117	01/05/2023 09:44:02	30.58
32	01/05/2023 02:38:58	30.55	75	01/05/2023 06:14:00	30.67	118	01/05/2023 09:49:02	30.60
33	01/05/2023 02:43:58	30.50	76	01/05/2023 06:19:00	30.67	119	01/05/2023 09:54:02	30.65
34	01/05/2023 02:48:58	30.52	77	01/05/2023 06:24:00	30.77	120	01/05/2023 09:59:02	30.66
35	01/05/2023 02:53:58	30.63	78	01/05/2023 06:29:00	30.73	121	01/05/2023 10:04:02	30.63
36	01/05/2023 02:58:58	30.55	79	01/05/2023 06:34:00	30.67	122	01/05/2023 10:09:02	30.73
37	01/05/2023 03:03:58	30.47	80	01/05/2023 06:39:00	30.74	123	01/05/2023 10:14:02	30.66
38	01/05/2023 03:08:58	30.55	81	01/05/2023 06:44:00	30.65	124	01/05/2023 10:19:02	30.62
39	01/05/2023 03:13:58	30.49	82	01/05/2023 06:49:00	30.65	125	01/05/2023 10:24:02	30.66
40	01/05/2023 03:18:58	30.50	83	01/05/2023 06:54:00	30.63	126	01/05/2023 10:29:02	30.59
41	01/05/2023 03:23:59	30.60	84	01/05/2023 06:59:00	30.73	127	01/05/2023 10:34:02	30.59
42	01/05/2023 03:28:59	30.56	85	01/05/2023 07:04:00	30.70	128	01/05/2023 10:39:02	30.67
43	01/05/2023 03:33:59	30.50	86	01/05/2023 07:09:00	30.77	129	01/05/2023 10:44:02	30.60