Use Cases

With its wireless monitoring, 3-minute setup, industrial-grade sensors and online access to data, the WS1 has been used to give peace of mind in numerous industries settings including intelligent agriculture, warehouse management and server room monitoring.

Wine Cellar

Greenhouse

Server Room

Gallery

Pharmacy

Wireless Smart Multi-Sensor Device WS1

Making Sense of Your World

UBIBOT

Making Sense of Your World

Contact Us

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Introduction

The UbiBot ® WS1 integrates industrial grade sensors into a sleek wireless IoT device. It is able to monitor temperature, relative humidity, ambient light and vibration/knocks.

The WS1 enables real-time wireless monitoring of environmental conditions and gives you remote access to the sensor data via our App or website wherever you are in the world. All readings are automatically synchronised to our cloud-based IoT platform via WiFi. You are able to setup customised monitoring and get alerts whenever any reading goes outside the range you set, giving you peace of mind wherever you are.

Main Features

Temperature Sensor	Humidity Sensor	Ambient Light Sensor
Precision ±0.3℃	Precision ±3%RH	Precision ±2%
Range −20 — 60℃	Range 0 — 100%	Range 0.01 — 83K lux
−4 — 140℉		

Vibration Index Sensor	External Temperature Probe
Precision 4mg	Precision ±0.5℃
Range −16 — 16g	Range -55 — 125℃
	−67 — 257℉

The sensor precision can be affected by extreme environmental conditions.

Parameters

Net Weight: 32g±3g

Dimensions: 65mm x 65mm x 16.5mm

Material: flame-resistant ABS+PC

Power: 2 x AA batteries / Micro USB (5V/2A)
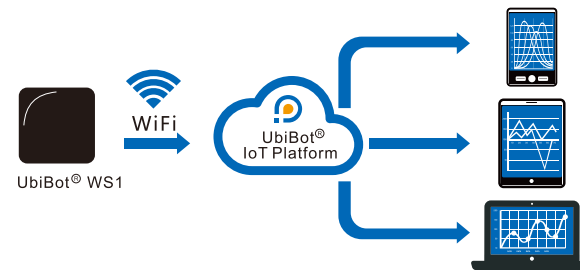
WiFi Supports: 2.4GHz (channels 1-13)

Built-in Memory: >300,000 sensing records

Ports: 1 x Micro USB*, 1 x Mini USB

*Micro USB supports DS18B20 Temperature Probe

Online/Offline Access

The WS1 continuously monitors environmental conditions and syncs the data to the UbiBot® IoT Platform. Users are then able to access the data from anywhere using our App or website.

If there's no WiFi available, the WS1 continues to monitor the environment and stores the data in its large internal memory. You are then able to manually sync the data over USB, or WiFi AP. Alternatively, move the device to a location with WiFi.

Smart Alerts

SMS Text   Voice Call   Email   App   HTTP

UbiBot® IoT Platform

The Ubibot® IoT Platform offers secure data management, intelligent alerts, unlimited storage and data analysis. Get deep insights into your environment via our app or website. Receive real-time notifications when any measurement goes outside the range you set. We also open up our RESTful API, offering you the chance to develop your own monitoring solutions.

Platform Features

Real-time Data Access   Data Analysis   Unlimited Storage*   Custom Permission

*Any device user gets 1GB free storage and 5GB data traffic