



DataSheet

Wi-Fi Temperature&Humidity Monitor (WTH3080)



OCT, 2017

1 General Specification

Specification	Description
Standard package	1.Wi-Fi Data Logger 2.Temperature or Temperature&Humidity Sensor 3. USB Power Cable 4. Extension Probe Cable(Optional)
Power Supply	DC 5V/1A
Communication	Built-in Wi-Fi
Antenna	Internal 2.4G antenna
Reporting interval	5 minutes by default
Report contents	Temperature measurement or Temperature and Humidity measurement
Configuration	Wi-Fi access point and webpage for setting SSID and password
Monitoring Scenarios	1. Monitor on DeviceBit cloud 2.Monitor locally via LAN 3. Monitor on your own Server

2 Electrical characteristics

Temperature Only Version

Specification	Description
Input Voltage	5V DC
Input Current	1A
Measurement Range	-55°C ~ +125°C, -67°F to +257°F
Measurement Accuracy	±0.5°C accuracy from -10°C to +85°C

Specification	Description
Drift	±0.2°C

3 Mechanical characteristics

Specification	Description
Package Weight	0.2kg
Dimension of Data Logger	60×58×28mm
Probe Length	1 meter by default, different length is optional

4 Environmental conditions

Specification	Description
Operating Temperature of Data Logger	-20 ~ +85°C
Operating Humidity of Data Logger	0 ~ 95%
Altitude	0 ~ 3000m

5 Wi-Fi Network

Specification	Description
WLAN	Channel:Auto Security:WPA2-PSK
SSID	eMonitor_XXXXXXXX(8 digits Serial No), no password required
Configuration page	URL: http://11.11.11.1 , Username:admin, Password:admin

6 Wi-Fi Parameters

Specification	Description
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Specification	Description
Wi-Fi Mode	IEEE802.11b/g/n, Wi-Fi Channel 1-13
Transmit power	18.5dBm@11b, 16.5dBm@11g, 15.5dBm@11n;
Wi-Fi Frequency	2.412 ~ 2.484GHZ
Transmit Speed	72.2Mbps@20M Bandwidth; 150Mbps@40M Bandwidth
Maximum Connections	8
Wi-Fi Antenna	Internal