

# Basic Equipment

IOT-3352 Gateway

2.4GHz Antenna

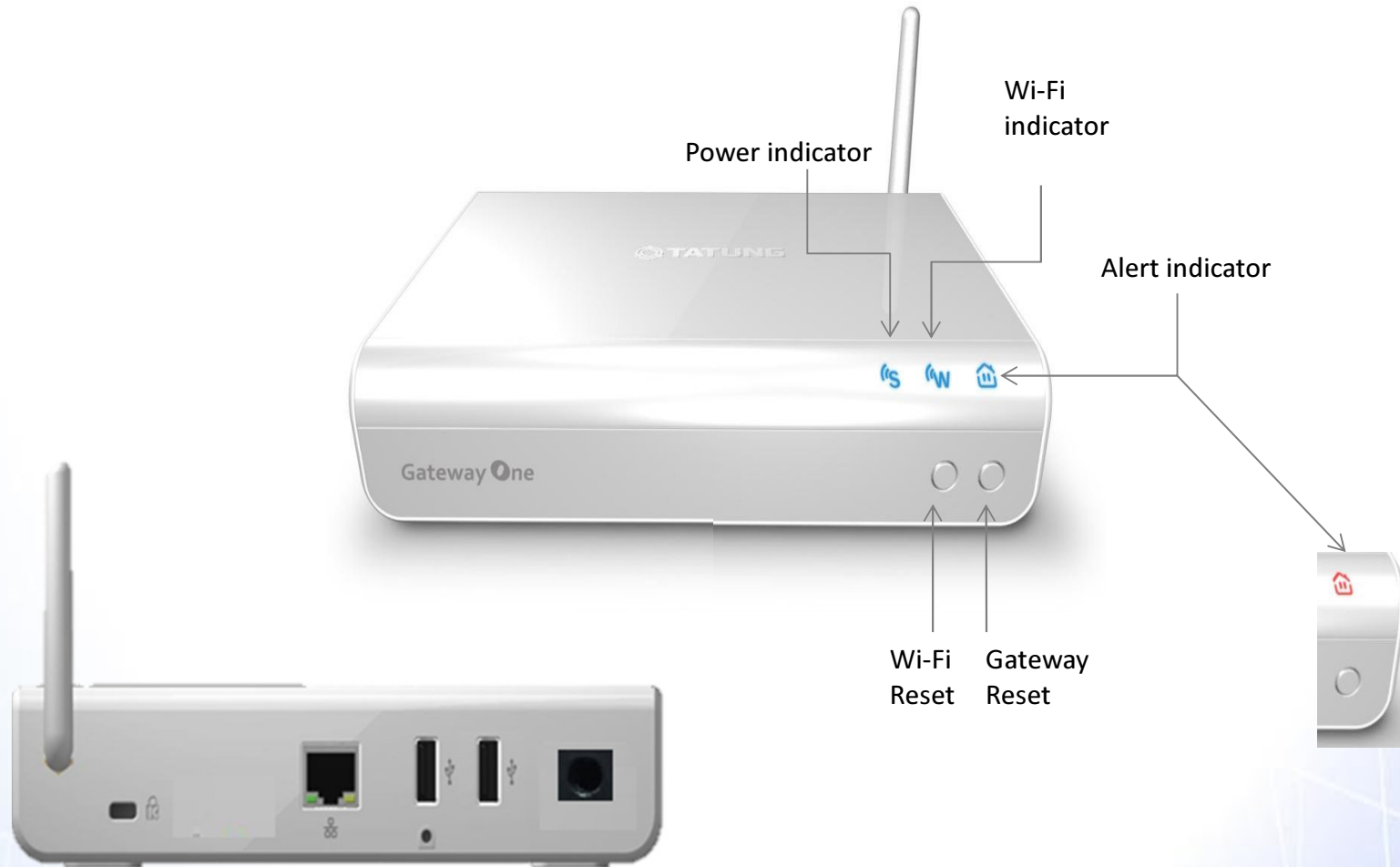
AC power adaptor



# (Hardware Specification)

<b>Product Name</b>		A+
<b>Processor</b>		AM3352 32-bit RISC, 600 MHz
<b>Memory and Storage</b>	<b>SDRAM Memory</b>	512M Bytes Samsung K4B4G1646E-BCK0
	<b>Flash Memory</b>	NAND Flash : 512M Bytes (MLC) MT29F4G08ABADAWP:D
<b>Communication</b>	<b>Wi-Fi</b>	IEEE 802.11 b/g/n (support AP / station mode )
	<b>Bluetooth (BT 4.0 BLE)</b>	Wi-Fi module built in (BL Link: BL-R8723RD2)
	<b>LTE (4G)</b>	USB Dongle (option: E3372h-510)
<b>External I/O</b>	<b>Button</b>	Total 2 buttons: Software configurable
	<b>LED Indicator</b>	Total 3 LED indicators: 2 for blue color LED ; 1 for dual color – Red/ Blue (Software configurable )
	<b>Power</b>	DC jack (ΦA: 2.1 mm ΦB: 5.5 mm)
	<b>Antenna</b>	1 swivel antenna (Wi-Fi)
	<b>USB</b>	2 (1 for 4G dongle), total 3A
	<b>RJ45</b>	1 (analog interfaced sensor) (IEEE 802.3 10/100Mbps)
<b>Mechanical</b>	<b>Case Dimension</b>	6.97"/177mm(W) x 1.46"/37mm(H) x 4.53"/115mm(D)
<b>Accessory</b>	<b>Power adaptor</b>	DC power adaptor (12V, 2A)
<b>Environmental</b>	<b>Operating Temperature</b>	32°F/0°C to 104°F/40°C
	<b>Storage Temperature</b>	-10°C/-14°F to 60°C/140°F
<b>Software Environment</b>		Linux V3.6 & drivers

<b>Software specification</b>		
<b>Communication</b>	<b>Wi-Fi</b>	IEEE 802.11 b/g/n (support AP / station mode )
	<b>Bluetooth (BT 4.0 BLE)</b>	Support BT GATT profile and Android beacon
<b>External I/O</b>	<b>Button</b>	Total 2 buttons: GPIO Software configurable
	<b>LED Indicator</b>	Total 3LED indicators: 2 for blue color LED ; 1 for dual color – Red/ Blue (GPIO Software configurable )
	<b>USB</b>	USB 2.0 standard driver (USB1: Host port ; USB2: Device port)
	<b>RJ45</b>	Ethernet PHY
<b>Firmware</b>	<b>Wi-Fi auto connection</b> <b>Charge management</b> <b>Service Check</b>	(MQTT Client 、 CoAP Server)



Dimension:  
6.97"/177mm(W) x 1.46"/37mm(H) x 4.53"/115mm(D)



# 按鍵與燈號(Button & LED Indicator):

Button	Function
Gateway Reset Button	Reset gateway
Wi-Fi Reset Button	Reset Wireless
LED indicator	Function
Power Indicator (mono)	Blue LED stays on after startup is complete
Wi-Fi indicator (mono)	Blue LED stays on after Wi-Fi is in AP and station mode
Alert Indicator (dual)	Gateway Alert: Red LED blink at 1Hz Wi-Fi alert: RED LED blink at 5Hz Function state: Blue LED stays on



# Installation

Connect the power adapter to the receptor on the rear panel of the DAP-1353 and then plug the other end of the power adapter to a wall outlet or power strip. The power LED will turn ON to indicate proper operation.

# Appendix

## FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

### CAUTION:

To assure continued FCC compliance:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

### RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This radio transmitter (identify the device by certification number or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

NO.	Antenna Type	Model Name	Gain (Peak)
1.	Omni-Directional	AN2400-5533RS	2.2 dBi