

Base Station Compact

Model No.:

NM01838685

This product is based on electromagnetic induction technology, it meets the Qi WPC 1.2.4 wireless charging protocol issued by WPC (wireless charging Union). Power or charge devices that support the Qi 5W/10W/ 15W wireless charging protocol, Apple 7.5W, Samsung 10W, Google fast Charge .

A. Electric Parameter

a. Input Parameter		Comment
Input voltage range	4.5V-17V	
Input voltage	5V/9V/12V/15V DC	PD POWER
Input power	5V/2A; 9V/2A; 12V/2A; 15V/2A	Output (Max): 5V 5W; 9V 10W; 12V 10W; 15V 15W
Standby power	≤500mW	

b. Output Parameter		Comment
WPC Certification	Qi 1.2.4 15W EPP	Or latest spec at time of certification
Output Power	0W~15W	BPP 5W @5-15V APPLE 7.5W@9-15V EPP10W@9-15V EPP15W@15V
Operating frequency	110kHz~128kHz	127.795kHz FOR APPLE Frequency Accuracy = 50ppm
Power Modulation	Modulate voltage amplitude	

B. Led lights

Power on self-test, enter the standby state after about 2 seconds (only 2 seconds of self-test for the first power on), during this period, and then go out ; In standby mode, when the wireless charging device is sensed, the corresponding part of the pure blue LED lights up, when two receiving devices are placed, the other part corresponding pure blue LED lights up ; When entering quick charging mode, the pure blue color LED will turn into pure red color; When recovering from quick charging mode to normal charging mode, the pure red color LED will turn back to pure blue color; When the metal foreign object(FOD) is detected, the pure red LED flashes.

a) work indicting lamp

Working	LED
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Power-on	on 2s then off
Standby	LED off
Charging	LED on
Charging full	LED on

b) Alarm type

Alarm type	Led
Over-temperature/Low-temperature	Flashing LED
FOD	Flashing LED
Over voltage	Flashing LED
Under voltage	Flashing LED
Other	Flashing LED

C. Protection Requirements

NO.	Item	product qualification
<i>a</i>	Input Low-voltage protection	$4.3 \pm 0.2V$
<i>b</i>	Input Over-voltage protection	$17 \pm 0.5V$
<i>c</i>	Input Over-current protection	$\geq 2A$
<i>d</i>	Over-temperature protection	$-10^{\circ}C > ^{\circ}C < 60^{\circ}C$

5.5 FOD (Foreign object detection)

The device has FOD function. When a metal foreign object is detected, enters the FOD mode, the pure red LED flashes, 1 time/sec; When the metal foreign object is removed, the device exits FOD mode and enters standby mode.

D. Environment Requirements

a) Operation temperature and relative Humidity.

$-10^{\circ}C$ to $+25^{\circ}C$; 10%RH to 85%RH。

b) Storage temperature and relative Humidity.

$-20^{\circ}C$ to $+80^{\circ}C$; 5%RH to 95%RH。

FCC WARNING

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.