

Instructions

Product name: Wireless charger

Model: IP-13

Manufacturer: Dongguan Qiai Intelligent Technology Co., Ltd

1. Scope of application

This specification is applicable to our IP-13 wireless charging products, and is only applicable to the quality items of this product.

2. Product profile

The product adopts the frequency conversion duty cycle architecture of Nanxin scheme. The product is built-in QC and PD fast charging function, in line with QI 1.2.4 BPP and EPP protocol, can meet the Iphone magnetic suction series 7.5W fast charging, and non-magnetic suction mobile phone 5W and Apple watch 5W charging.



3. Instructions

The ① attaches the Type-C interface of the product line to the adapter with the Type-C interface
② puts the phone in the center of the product coil, where the product recognizes the phone and provides power output to charge the phone. If the magnetic suction phone will automatically aim to achieve the best charging experience.

4. Product performance parameters

project	Parameter standard
Wireless charging standard	Qi : BPP EPP
Adapter power	QC2.0 and 3.0 or PD 2.0 and 3.0 Fast Charge Head: 18W(9V/2A),30W(9V/3.3A) General: 20W (5V / 4A)
Power interface	The Type-C mother seat
output power	QI:5W/7.5W (Apple) 15W Watch Modul: 5W (MAX)
charge efficiency	Max: 70% -80%, tested using easy aging equipment.
Charging area	Round area: 20mm in diameter
operating distance	Less than or equal to 5mm, use the Samsung S8 + LeEco QC3.0 charger
Magnetic suction performance	The built-in 16 strong magnetic populations have approximately 650-700g ±50g suction
The number of charging devices that are supported simultaneously	Three
product certification	CE/FCC/ROSH

product size	130*70*18(mm)
Number of coils	Three
Light display mode	Long bright
disturbed test	Do not affect the mobile phone fingerprint unlock, touch screen use
Aging test criteria	Aging for 48 hours with 10W power.
defencive function	<ol style="list-style-type: none"> Underpressure protection (below 4V underpressure protection) Oversupply protection (higher than 13.5V protection) Over temperature protection (above 73 °C protection, less than 46 °C recovery) Foreign body detection and protection Overcurrent protection (load higher than 2A protection $\pm 0.2A$) short-circuit protection 1.

5. temperature rise

At the maximum power operation, the wireless charging surface temperature does not exceed 70 degrees. When each component of wireless charging is in normal operation, the maximum temperature should meet the component reduction usage specification.

6. Flammability of materials

The material used in the power enclosure shall allow for a minimum ignition hazard and flame spread, of grade V-1 or better. The boards and components shall be V-1 or superior.

7. Weight of the whole machine

The bare machine weighs approximately 150g $\pm 10g$

8. Environmental material requirements

Compliance with the ROHS standards

9. Product packaging and transportation

The ① packaging method shall be packaged according to the drawing or packaging requirements provided by the customer, and the transportation method shall be according to the relevant provisions of the purchase and sale contract of both parties.

② products should be rain and water in transportation, prevent long stacking in high temperature environment.

10. Storage of the products

The ① products shall be stored in indoor warehouses with a temperature of 25 degrees and a humidity of not more than 75% to minimize the impact on the product.

② This product is stored for a long time (more than 3 months), stored in dry and cool places, the temperature range is between -10 °C ~ 30 °C, and avoid contact with corrosive substances, and stay away from fire sources and heat sources.

11. Notes for product use

danger

Failure to read the following items carefully may cause product damage or danger.

- Do not put the product into the water or wet it;
- Do not use or store products near heat sources (such as fire or heaters);
- Please use the brand of high-quality charger;

4. Do not put the product into the fire or heat the product;
5. No impact, throwing, or mechanical vibration of the product;
6. It is forbidden to puncture the product shell with nails or other sharp objects, or to hammer or foot the product;
7. Do not decompose products in any way;
8. Do not supply power to products under fire sources or extremely hot conditions.

pay attention to

1. Do not use products in extremely hot environments, such as direct sunlight or hot days. Otherwise, the product will overheat and may catch fire (ignite), so that 2. It will affect the performance of the product and shorten the service life of the product.
3. The product can only be used under the following conditions, otherwise it will reduce the performance or shorten the service life of the product. Use of products outside this temperature range 4. May cause overheating and fire.
5. During the charging process, if the phone is removed or returned to the phone, please align it with the most suitable position of the product coil. The deviation or misalignment may affect the charging of the product.
6. Read the device instructions of the product, and install and disassemble the product correctly.

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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 20cm distance between the radiator and your body: Use only the supplied antenna.