

Base Station - Hub Edition MagSafe Global V3

Power Section:

The power supply of the system is 12V, which is disconnected when exceeding 19.7V. Software over voltage protection.

The first way through MP2229/MP9189 DCDC buck pressure to 5.2V, then divided into three ways, one is through the over current protection IC SC7002 output 5V 1.5a. The second way is through LDO buck to 3.3V power supply N9013, 5V buck to 3.3v power supply MCU.

The second circuit directly supplies power to the two-circuit full-bridge rectifying circuit through MP2229/MP9189 voltage regulation.

The third circuit directly supplies power to the two-channel full-bridge rectifying circuit through MP2229/ MP9189 voltage regulation.

Route 4 supplies power to MP2229/MP9189. Provides PD output energy, communicates with external PD devices through PD protocol chip, and the maximum output power is 18W.

Wireless charging Section:

1: The MCU output frequency 112kHz-147kHz. The waveform is loaded into the LC circuit

by FS230DB to make the L coil emit a vibrating electromagnetic wave.

2: if there is a receiver in this range, the coil of the receiver receives electromagnetic waves and converts them into electric energy to make the receiving chip work. After the chip works, it sends packets of data, which are transmitted back to the transmitting end in the form of electromagnetic waves through the electromagnetic induction principle between the two coils.

3: the transmitter coil receives the packet, detects the current or voltage, and sends the communication code to the SCM for analysis through filtering and shaping, LM324 amplification and other processing. The SCM analyzes the communication code and makes corresponding actions according to the code, such as shaking hands, identifying, configuring, transmitting energy, monitoring and regulating energy, etc.

4. Coil AB is A double coil, which can only work one coil at the same time. Coil C is A single coil, which can work alone or with coil A at the same time. When coil B works, coil A & C does not work

Operation instruction

- A. Connect the AC ADAPTOR DC connector to the charging board
- B. Insert the AC end of the ADAPTOR into the AC socket
- C. During power-on, the three indicators on the panel charge will turn off at the same time and then turn off to indicate that the power-on self-test is complete.
- D. Place the mobile phone to be charged in the middle of the leather surface area of the tablet.
- E. If the indicator is on, it indicates that the battery is being charged.
- F. When the mobile phone shows that charging is complete, remove the mobile phone and turn off the power supply of the charging plate.
- G. If you want to use USB PORT A or TYPE C, connect the charging board to the device using the corresponding cable.

Operation mode:

Config	Test Mode	Description
Mode 1	Standby	EUT alone
Mode 2	Operating	10W load on left coil USB Type-A output 5V1A USB Type-C output 9V2A or 5V3A
Mode 3	Operating	10W load on right coil USB Type-A output 5V1A USB Type-C output 9V2A or 5V3A
Mode 4	Operating	10W load on middle coil USB Type-A output 5V1A USB Type-C output 9V2A or 5V3A
Mode 5	Operating	7.5W load on left coil 7.5W load on right coil USB Type-A output 5V1A USB Type-C output 9V2A or 5V3A

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

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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. When using the product, keep a distance of at least 15cm from the product.

RSS Statement (Canada)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 10cm between the radiator and your body.

IC: 27646-NM01892885

Declaration de conformite avec le CNR (Canada's)

Cet appareil est conforme au Cahier des charges sur les normes radioelectriques (CNR) pour les appareils utilisables sans licence d'Industrie Canada. L'utilisation de ce produit est soumise aux oeux

conditions suivantes

(1) cet appareil ne doit pas entrainer d'interferences; et

(2) cet appareil doit accepter toute interference. y compris tes interferences pouvant causer un fonctionnement non souhae.

l'emetteur/recepteur exempt de tcence contenu dans le present appareil est conforme aux CNR d'Innovation. Sciences et Developpement economique Canada applicables aux appareils radio exempts

cre t,cence. L • expto,taun est autorisee aux creux concrmons su,vantes :

(1) L'appareil ne doit pas produire de brouillage,

(2) rappareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible

d'en compromettre le fonctionnement.

L' appareil est conforme aux valeurs limites d' exposition au rayonnement fix é es pour l' ic rs-102 pour les environnements non contrôl é s.Le dispositif doit ê tre install é et fonctionner à une distance d' au moins 10 cm entre le radiateur et votre corps.