



## **QST015B-21      Embedded Wireless Charger**

### **General Information**

A new powerful wireless charger that can be hidden under your desktop and charge your mobile devices directly through your desktop. No need to dig holes, no damage to furniture design. Charging distance 20~50 mm, charging through wooden, marble tabletops, glass tables, charge through any surface except metal, far beyond other 8 mm wireless chargers. With the majority of the wireless charger hidden, the only thing in sight is the thin sticker pad. It's minimalist and waterproof. It can withstand any liquid, whether it's water, coffee, or soda.

### **Key Feature:**

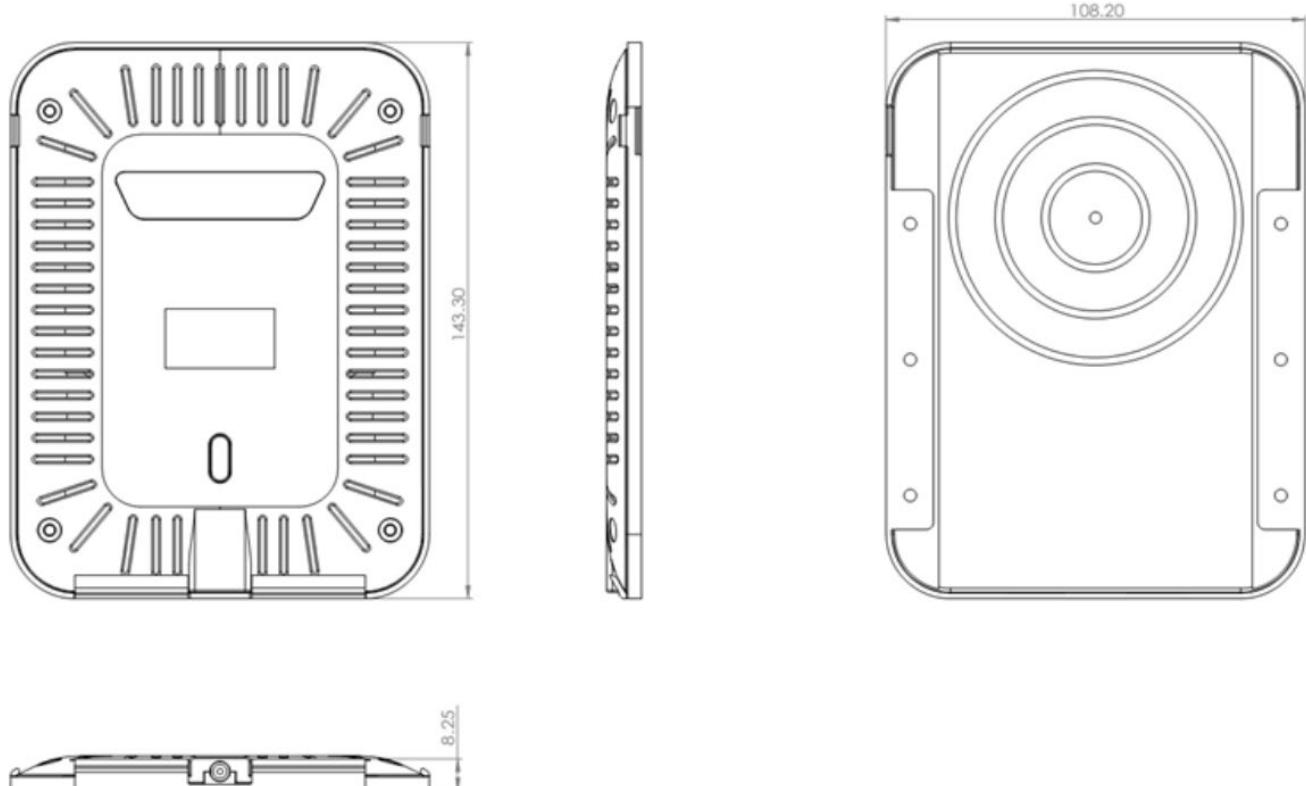
- Charging distance of 20~50mm
- Under-The-Table Wireless Charger for thick desks & tabletops without drilling or screwing required, suitable for marble, wood, glass and other non-metallic tablets or desks
- Foreign object detection (FOD) and Over-current (OCP)/Over-voltage (OVP)/Over-temperature (OTP)
- Meet Qi standard, it can charge all mobile phones with Qi wireless charging function
- Compatible with Qi-BPP, iPhone Fast Charge, Samsung Fast Charge
- Compatible with Qi BPP (5W), iPhone fast charge (7.5W) and Samsung Fast Charge (10W) protocols
- Easy installation

## Specification

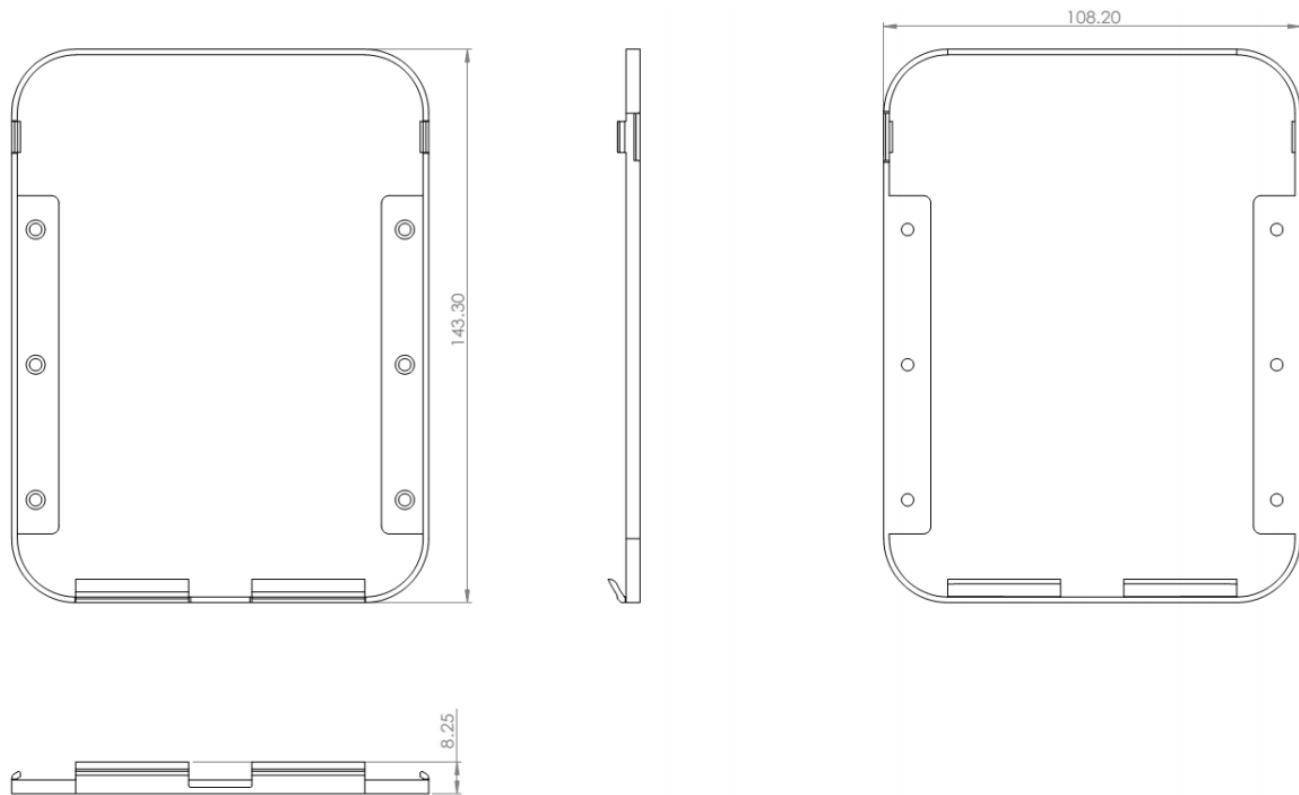
Input Power	DC 19V/0.94A (18W)
Power Input Interface	DC Jack, φ3.5 * φ1.35
Output Power	Up to 10W
Charging Distance	20mm ~ 50mm (With Resonate Pad)
Typical Efficiency	84% @30mm (iPhone 8P)
Operating Frequency	115 kHz – 150 kHz
Standby Power (W)	< 0.2W
Protection Function	FOD、OCP、OVP、OTP
Coil Type	Litz wire wound with ferrite
Supporting Device Number	1 unit
LED Indicate	Blue Breathing: Standby Mode
	Blue: Working mode
	Red Twinkled: FOD / Error / Others
Certified	FCC, CE
Dimension	143.3 x 108.2 x8.25mm
Color of Device	Black
Net Weight	120g (Without tray & Adapter)
Resonator Pad Size	OD 120 * max.1.50t (mm)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 70°C
Operating Humidity	15 ~ 85% RH (Non-dewing)
Storage Humidity	5 ~ 95% RH (Non-dewing)

# Mechanical

## Wireless Charging Pad



### The associated tray of the wireless charging pad



### Packing list:

QST015B-21 Wireless Charger Pad x1  
Associated Tray x1  
Resonator Pad (OD 120 \* max.1.50t (mm)) x 1  
3M Double-sided Paste x 3  
cardboard with Magnet (setup Tool) x1  
Screw x 6  
Power adapter x1  
Quick Installation Guide x1

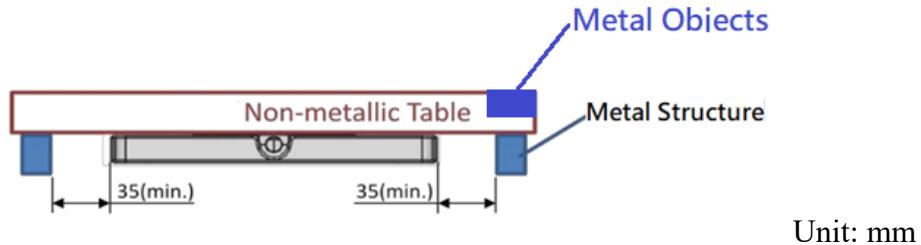
### Order Information

Model Name	Description
H-10-QST015B-21US	Wireless Charger Pad + US Type power adapter + standard Accessory
H-10-QST015B-21EU	Wireless Charger Pad + EU Type power adapter + standard Accessory
A-80-0000061-0A	Electronic Alignment Guide without CR2032 Lithium Battery (Optional)

## Notes

1. It cannot charge some small Qi electronic devices such as TWS Bluetooth headset due to the limitation of coil size.
2. This product has FOD (Foreign Object Detection) function. When metal objects (such as keys, ID cards, bank cards, bus cards, etc.) appear in the charging area, the wireless charger will automatically stop charging. However, it is still necessary to avoid placing smart cards such as ID cards, bank cards, bus cards, access cards, etc. in the charging area to avoid being demagnetized
3. Please don't put anything with RFID function into the charging area, such as ID cards, credit cards, deposit cards, security badges, passports, and key fobs while the phone is charging. These RFID cards could run the risk to be damaged by the magnetic field of the wireless charger.
4. Please don't directly expose the wireless charger to the sunlight or install it close to any heating equipment such as microwave oven, roaster, and water heater.
5. Please don't toss, pressure, or puncture the wireless charger. High external pressure will cause damage to the device.
6. Please don't put any metallic objects into the charging area. The charger will stop charging automatically when metallic objects are placed within the charging area. Please remove the metallic objects and the phone will resume charging after a few seconds.
7. If charging is stopped with unknown reasons other than metallic foreign objects, please remove the mobile phone and then place it back into the charging area.
8. Each mobile phone has its own wireless charging behavior, and the charging speed could be different on the charger by various of charging algorithm. The charger cannot guarantee whether the phone enters fast charging or not.
9. This product should be only installed under non-metallic tabletops, such as marble, glass, wood, plastic, and other non-metallic materials. For composite tabletops, please confirm whether it contains metal components

10. Please use the original accompanied AC adaptor to power the wireless charger for best performance.
11. If there are metal structural parts such as table feet or brackets under the non-metallic table, there shall be at least above 35mm safety distance between the wireless charger and the metal structural parts.



If there are unmovable metal objects inserted on the non-metallic table, there shall be at least above 35mm safety distance between the wireless charger and the metal objects.

12. When multiple wireless chargers are installed side by side, the distance between the wireless chargers must be at least 300mm, so as not to interfere with each other and affect the charging efficiency and function.

