

15W Multi-Protocol Wireless Charging Transmitter Module

Qi / QC / PD Compatible | 5W / 7.5W / 10W / 15W Automatic Power Recognition



Product Overview

Compact wireless charging transmitter module for embedded charging applications. The supplied product material states support for Qi / QC / PD protocols, 9 V input, and automatic recognition of 15 W, 10 W, 7.5 W, and 5 W wireless charging levels. Available power-input configurations shown in the source images include USB Type-C, Micro-USB, and direct-wire supply. The module is demonstrated charging a smartphone and can also be paired with a suitable wireless receiver module to charge other electronic products.

Key Features

- Up to 15 W wireless charging power
- Automatic 15 W / 10 W / 7.5 W / 5 W power recognition
- Qi / QC / PD protocol support stated in the supplied product material
- 9 V input
- USB Type-C, Micro-USB, or direct-wire power-input options
- Apple charging pop-up animation support stated in the source material

- Compact transmitter PCB with separate planar charging coil
- Suitable for smartphones and custom electronics using a matching receiver module

Electrical Specifications

Parameter	Specification	Basis
Input Voltage	9 V	Shown for the 15 W Micro-USB and Type-C versions
Wireless Output Power	15 W / 10 W / 7.5 W / 5 W	Automatic recognition stated in source images
Wireless Charging Protocol	Qi	Explicitly stated
Fast-Charge Protocol Support	QC / PD	Explicitly stated
Power Input Interface	USB Type-C / Micro-USB / direct wire	Shown or stated in source images
Status Indication	On-board LED	Visible in operating product images

Interface Variants

Variant	Power Input	Wireless Power
15W Type-C Version	USB Type-C	15 / 10 / 7.5 / 5 W auto recognition
15W Micro-USB Version	Micro-USB	15 / 10 / 7.5 / 5 W auto recognition
Wire-Input Version	Direct wire	Not separately specified in source image

Functional Description

The transmitter consists of a control PCB connected to a planar wireless charging coil. With a 9 V supply applied, a compatible receiver or device is positioned over the coil. The source material indicates automatic recognition among supported 5 W, 7.5 W, 10 W, and 15 W charging levels.

Typical Applications

Embedded wireless charging pads • Desktop charging products • Smart furniture and fixtures • Custom electronic products requiring cable-free charging • Battery-powered devices using a matching receiver module

Application Examples



Smartphone wireless charging demonstration



Charging another electronic product through a matching receiver

Mechanical Information

Dimensions: Not provided in the supplied files. Confirm PCB and coil dimensions from a mechanical drawing or physical measurement before enclosure design.

Integration Notes

Actual charging power can depend on the receiver/device, coil alignment, spacing, thermal conditions, and external power-source capability. For production integration, verify connector selection, coil placement, thermal performance, EMC behavior, and protocol compatibility in the final enclosure.

Source-Controlled Specification Note

This preliminary datasheet uses only information that can be confirmed from the five supplied product images. No webpage/HTML files were present in this package. PCB dimensions, coil diameter, operating frequency, efficiency, input current, protection functions, operating temperature, and certification status were not provided and are therefore not claimed.