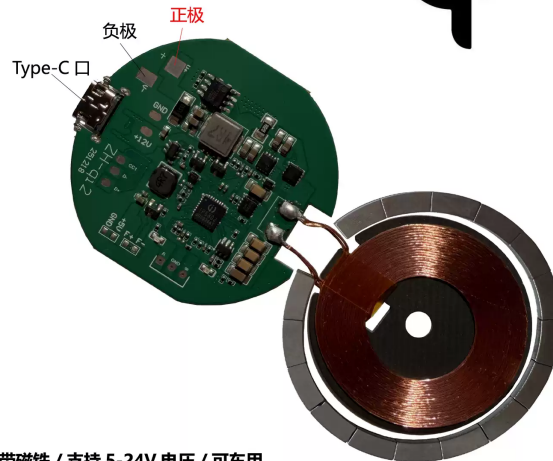


Qi2 15W Magnetic Wireless Fast Charging Module

Magnetic-alignment wireless charging transmitter with wide-input control board and optional automotive integration

qi2 磁吸无线快充



Qi2 MAGNETIC WIRELESS FAST CHARGING

Magnetic alignment ring | Type-C interface | Automotive-capable design
Source notes support for 5-24 V supply range.

Qi2-style magnetic alignment with up to 15 W charging capability shown in the source material

A transmitter assembly combining a magnetic charging coil, controller PCB and Type-C interface. The supplied package also shows a finished black charging enclosure and an Apple-device test reaching 15 W.

Source package contains four product images and no webpage/HTML file. Values below are transcribed from visible image annotations and product markings; where source statements differ by interface or test condition, they are kept separate rather than merged.

1. Functional Description

The Qi2 15W Magnetic Wireless Fast Charging Module is a receiving-device alignment and wireless-power transmitter assembly intended for embedded charging applications. A magnetic ring surrounding the transmitter coil helps position compatible devices over the charging zone. The controller PCB provides a Type-C interface, wide-voltage power-input points, auxiliary 5 V outputs and indicator-light connections. Source imagery also identifies the design as suitable for vehicle use.

2. Key Features

Magnetic alignment	Integrated magnetic ring around the transmitter coil supports repeatable device positioning.
Wireless power levels	Finished enclosure is marked 5 W / 7.5 W / 10 W / 15 W (MAX).
15 W Apple test	Source test image states measured Apple wireless fast charging reached 15 W.
Wide-voltage board input	Board annotations show a 9-24 V main input; another source overview states support for 5-24 V supply depending on connection/configuration.
Type-C interface	USB Type-C connector is integrated on the controller PCB.
Automotive application	Source overview explicitly notes vehicle-use support.
Auxiliary outputs	Board image identifies 5 V output connections for standby and operating-state functions.
Indicator interface	A 3 V common-cathode indicator-light connection is shown on the PCB.

3. Electrical Characteristics

Wireless output modes	5 W / 7.5 W / 10 W / 15 W maximum, based on finished-housing marking.
Main PCB input	9-24 V, according to the PCB interface annotation.
Alternate USB/PD path	5-12 V input/output path shown as optional USB/PD cable connection.
15 W test supply condition	Source test note specifies 12-24 V input and at least 20 W source capability for the demonstrated Apple 15 W test.
Finished enclosure input marking	5 V / 9 V / 12 V, 2 A.
Auxiliary output	5 V outputs are identified on the PCB; current rating is not stated.
Indicator supply	3 V common-cathode indicator-light interface shown.
Efficiency / frequency	TBD - not provided in the supplied source.

4. Interface Summary

Type-C port	Board-mounted USB Type-C interface.
Main input pads	9-24 V power input points identified on the PCB.
USB/PD connection	Optional 5-12 V input/output connection is identified in the source.
5 V standby output	Dedicated 5 V output identified for standby operation.
5 V operating output	Dedicated 5 V output identified for operating-state fan/effect-light use.
3 V indicator output	Connection for a common-cathode indicator light.
Coil polarity	+ = positive; - / GND = negative, as shown in the source.

5. Charging Performance

The source package shows a real-device Apple charging test reporting 15 W wireless fast charging. The same test image warns that the supply should be 12-24 V with at least 20 W available power. Because this is a photographed test result rather than a controlled laboratory characterization table, production performance should be validated across device models, alignment offsets, temperature and input-voltage conditions.



15 W APPLE WIRELESS CHARGING TEST

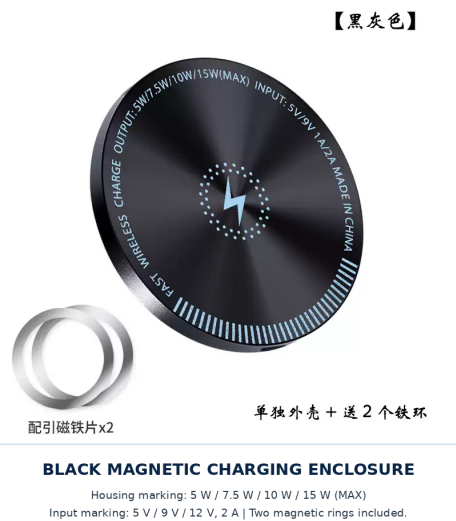
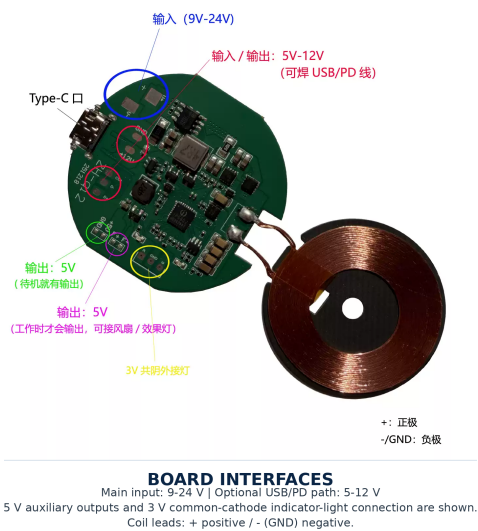
Source test states Apple wireless charging reached 15 W.
Test note: use 12-24 V input with power capability of at least 20 W.

6. Mechanical / Product Configuration

Transmitter	Circular copper wireless charging coil with surrounding magnetic alignment ring.
Controller	Separate round/rounded PCB connected directly to the transmitter coil.
Finished enclosure	Black circular charging enclosure shown as an available configuration.
Magnetic accessories	Finished-product image states two magnetic rings are included.
Dimensions	TBD - no controlled dimensional drawing is provided.
Cable / connector	Type-C and optional USB/PD wiring configurations are shown; exact cable length TBD.
Mounting method	TBD - module-level imagery supports embedded integration; final mechanical mounting requires a controlled drawing.

7. Typical Applications

Automotive center consoles, vehicle wireless charging trays, furniture-integrated chargers, desktop charging stations, smart equipment, embedded charging surfaces and other applications requiring magnetic alignment and up to 15 W wireless charging capability.



8. Integration Considerations

The source uses several voltage statements for different connection points and configurations. The 9-24 V value applies to the PCB input annotation, 5-12 V is associated with the optional USB/PD path, and the finished enclosure is marked for 5 V / 9 V / 12 V at 2 A. These values should not be treated as interchangeable without confirming the final wiring configuration. For the demonstrated 15 W Apple charging condition, the source specifically calls for a 12-24 V supply with at least 20 W capability.

9. Production-Release Data Required

Before controlled release, confirm formal Qi2 certification/status, supported device profiles, exact input limits for each connector, maximum input current, wireless operating frequency, conversion efficiency, standby power, foreign-object detection, thermal derating, overvoltage/overcurrent/short-circuit protection, indicator-light logic, auxiliary-output current ratings, coil and magnet dimensions, PCB dimensions, cable specification, operating/storage temperature, automotive environmental requirements and applicable FCC/UL/ETL/CSA or other certifications.

10. Product Classification

Primary category: Magnetic Wireless Charging

Product type: Qi2 Magnetic Wireless Fast Charging Transmitter Module

Wireless power marking: 5 W / 7.5 W / 10 W / 15 W (MAX)

Main board input annotation: 9-24 V

15 W test condition: 12-24 V supply, at least 20 W source capability

Target applications: Automotive / Embedded / Furniture Charging

Document status: Preliminary English datasheet derived from the supplied four-image package. No webpage file was present. Source-specific voltage statements have been preserved by interface/configuration rather than generalized.