



The Wireless Power Consortium

Setting an International Standard for Interoperable Wireless Charging

The Wireless Power Consortium is a cooperation of Asian, European, and American companies in different industries that believes mobile products need global compatibility. It is the WPC's mission to create and promote wide market adoption of the international standard for wireless power interoperability across rechargeable electronic devices. The Consortium believes that seamless, safe, and convenient wireless charging everywhere for consumers can only be achieved through an international standard. Compatibility with the Qi standard will be recognized by the  logo where Qi-certified mobile electronics can be wirelessly charged on Qi-certified charging stations.

The  logo can be certified for use on all types of portable electronic products—mobile phones, smartphones, music and video players, batteries and charging packs, computer and game peripherals, Bluetooth® headsets, gaming, medical, and personal care devices.

Technical Specifications

The wireless power standard employs close-range inductive coupling technology because it is simple, efficient, and safe. The principle of magnetic induction has been in use in a variety of applications for over 100 years.

Close-range magnetic induction technology differentiates itself from other wireless power technologies by transmitting power within a near field between the devices to be charged and the power source. This range can be less than one centimeter and allows the transmitter to focus energy on the receiver safely with high efficiency.

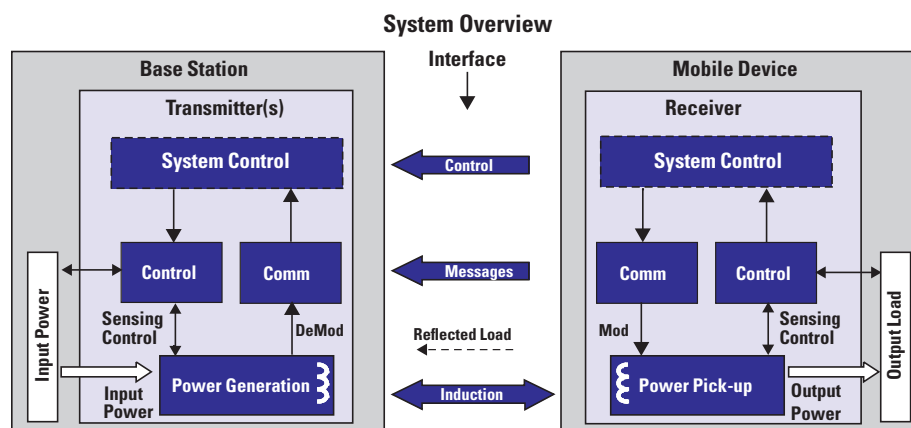
The technology makes rapid battery charging possible and charges in the same time as or faster than existing wired chargers. It is safe and will not interfere with data or other

devices nearby. Close-range magnetic induction does not require contact between the device to be charged and the power source. Loss of energy and impact on the environment are also minimized. It performs reliably in demanding environments where there may be water and dirt.

Electromagnetic emissions meet all relevant international exposure guidelines as recommended by the International Commission on Non-Ionizing Radiation Protection (ICNIRP) and the World Health Organization (WHO). The initial Qi standard is for devices requiring up to 5W, such as mobile phones, digital cameras, MP4 players, and headsets. Standard specifications for higher-power devices and equipment will follow.



The WPC has chosen the Qi logo as the international symbol of wireless charging compatibility. Qi—pronounced “chee”, meaning “vital energy” in Asian philosophy—represents an intangible flow of power. Qi is the sign of interoperability between power transmitters and power receivers. All Qi receivers will work with any Qi transmitter. Every electronic device bearing the Qi symbol can be charged on any charging pad or surface marked with the same Qi logo.



The communications and control between compatible transmitters and receivers ensures that only Qi-compatible receivers will be correctly and safely charged by Qi-compliant transmitters. The mobile device is in control with the charger adjusting the primary coil currents.

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Technology Roadmap

The first release of the Qi standard will address devices with power ratings up to 5W. The Consortium will begin the development of higher power extensions in the coming months.

Certification

All products will need certification by independent test laboratories to qualify for Qi compatibility. Certification test laboratories and procedures will be released on the WPC website, wirelesspowerconsortium.com.

Trademark License

A trademark license is required to use the  logo on any products and commercial documentation. Terms and conditions governing the Qi trademark license will be announced as the technical and compliance test specifications are publicly released over the next few months.

Members and Membership Information

Membership in the Wireless Power Consortium is open to all companies, for all products, in all markets with a commitment to wireless charging compatibility across products and charging stations.

Membership benefits include gaining early access to Qi technical specifications, which offers a competitive leadtime advantage in development of Qi prototypes and products, as well as the opportunity to influence technical specifications and to participate in interoperability testing.

Taking part in early prototyping and testing provides unique opportunities to learn, brainstorm, and share expertise among members with considerable experience across the electronics value chain—particularly valuable in an innovative technology such as wireless power.

Visit wirelesspowerconsortium.com for more information and Membership applications and details.

WPC Members

case-mate	USA
Continental Automotive	France
Convenient Power	Hong Kong
Duracell	USA
Elec & Eltek Magnetic Products	Hong Kong
Energizer	USA
Fulton Innovation	USA
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Hosiden	Japan
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Nokia	Finland
Olympus	Japan
Philips	Netherlands
Primax Electronics	Taiwan
Rohm	Japan
Samsung Electronics	Korea
Sang Fei	China
Sanyo	Japan
ST-Ericsson	Switzerland
Texas Instruments	USA
Toko	Japan

CES Seminar Schedule

Overview and detailed discussions of Qi logo licensing, certification testing, technology roadmap, and benefits of wireless power interoperability for companies and products will take place at The Wynn Hotel in Las Vegas during the CES tradeshow. The schedule for these seminars is as follows:

January 8th	
9:00 – 10:00am	Seminar #1
11:00 – 12:00pm	Seminar #2
1:00 – 2:00pm	Seminar #3
2:00 – 3:00pm	Panel Discussion
4:00 – 5:00pm	Seminar #4
January 9th	
Schedule TBD, by appointment only	