Welcome to the world
Qi Project Presentation by U-Way Corporation
Global Standard for Wireless Charging - Qi

- The WPC’s standard for wireless power, called “Qi” (pronounced “chee”, “氣”).

- WPC creates one global standard for wireless charging technology and promote wide market adoption of Qi, working toward the global standardization of wireless charging technology.

- The Qi standard guarantees wireless charging interoperability within Qi devices, regardless of manufacturer or brand.

- There are 200+ member companies in the WPC represent several industries. Including Mobile phones, Video games, Batteries, Electronic manufacturing services, Furniture, Semiconductors, Infrastructure, Mobile networking, Automotive, Consumer brands.
WPC Member Overview

Panasonic

Philips

Sony

Verizon Wireless

Nokia

HTC

Huawei

Motorola

Samsung

Energizer
Being An Early Market Adopter & Leader

U-WAY as a pioneer member of WPC could provide you a better understanding of the benefits of becoming an early adopter/market leader in a sector that is about to explode. 2014 is going to be a big year for Qi, with most of the major brands launching products from Q1 onwards. Nokia, Samsung, Motorola, LG, HTC,...already have products in the market.

Built-in support for upcoming 3C devices will be the most critical development in making wireless charging the industry standard going forward. This is set to grow at a rapid pace over the coming years and bring Wireless Charging technology into the mainstream market.
• **Samsung** is set to launch the **Galaxy S5** globally on April 2014. The S5 features wireless charging along its optional accessories - **Qi Wireless Charging Case & S Charger Pad**.

• **Samsung** launched the **Galaxy Note 3** in September 2013. It uses the Qi Wireless Charging standard in its optional back cover and wireless charger accessories.
Sony's smartphone Xperia Z2 features with wireless charging compatibility. The WCR12 is a wireless charging cover. The WCH10 is a wireless charging plate.

2013 July, the new Google Nexus 7 is the first tablet to feature Qi technology. Asus later unveiled wireless charging dock for Nexus 7.
Trend of Qi & WPC

- **Nokia** is working on a new set of Lumia-branded smartphone that will employ Qi wireless charging technology. There are list of Qi-enabled smartphone model has been launched, which is **Lumia 1520, 1020, 928, 920, 820, 822, 810** and etc.

![Lumia 1020](image1.png) ![Lumia 928](image2.png) ![Lumia 1520](image3.png)

- **Google** has launched **Nexus 5** integrated with Qi technology after Nexus 4 with its Qi accessories called **Nexus Qi Charger**.

![Nexus 5](image4.png) ![Nexus Qi Charger](image5.png)
Trend of Qi & WPC

- **HTC** is cooperating with Verizon and has been launched Qi-compliant mobile phones in US market. **HTC Droid DNA** & **HTC Window Phone 8X** are Qi-enabled smartphone by HTC.

- **LG** has launched different models of Qi mobiles - **LG Optimus F5**, **LG Optimus G Pro**, **LG LTE2** and **LG Spectrum 2** etc. **LG** has launched Qi Wireless Charger (**WCP-700 & WCP-300**)
Trend of Qi & WPC

- **Pentax** has unleashed a new tough camera on the world **Pentax WG-3** and **WG-3 GPS**, it features with Qi wireless charging which able to recharge the built-in battery by placing on any Qi wireless charger.

- **Panasonic Japan** announces world’s first Qi-enabled video camera **HC-V720M**.

- **MediaTek** announces successful development of multimode receiver technology for inductive and resonant charging using in-band communications.
Trend of Qi & WPC

62+ Mobile Phones Support Qi Wireless Charging Worldwide

Nokia Lumia 1520/1020/928/920,
Samsung Galaxy S5/S4/S3/Note3/Note2,
Motorola Droid Maxx/Mini/X,
Google Nexus 4/5/7,
LG Optimus F5/Optimus G Pro/Spectrum,
HTC Droid DNA/Window Phone 8X,

and lot more.
McDonald’s is testing Qi wireless charging tables in Europe

- Qi wireless charging will be tested in a limited number of McDonald’s restaurants in Europe in 2013. Each surface of McDonald’s tables will be capable of wirelessly charging devices.
- A user can charge his/her phone conveniently by placing it on the dining table while enjoying a meal or break.

10,000 public Qi chargers in Japan

- NTT Docomo announced that an additional 10,000 new public Qi chargers will be installed in Japan.
- NTT Docomo had already sold more than 1.8 million Qi-phones that are capable of using these public chargers without plugging in a cable or adaptor.

Approximately 500 locations in Japan offered 3000 Qi charging spots. That number is now growing dramatically. Also, there is a growing demand for wireless power charging facilities in coffee shops, restaurants, airport lounges, etc.
The market for wireless power systems – encompassing mobile devices, consumer electronics, industrial applications, infrastructure devices and electric vehicles – will triple over the next eight years, growing from $4.9 billion in revenue in 2012 to $15.6 billion in 2020.
Toyota announced Toyota Avalon will be the first vehicle available in the world that offers in-console Qi wireless charging. Qi wireless charging available for two new vehicles - the Noah and the Voxy.

2014 Jeep Cherokee, Toyota Prius and Korean automaker Ssangyong Join The Fast Growing Qi Wireless Charging Ecosystem, The CE4A group made Qi the wireless charging choice into vehicle for Audi, BMW, Daimler, Porsche, and Volkswagen.
Featured Qi Automobile Model

- Toyota - Avalon
- Toyota - Prius
- SsangYong - Chairman
- Mercedes Benz – 2014 model
- Jeep - Cherokee
- Chrysler - Dodge Dart
Japanese furniture listed company Okamura has launched a series of furniture features with Qi wireless charging, called "AirFeed".

WPC's membership continues to significantly grow in the past few months, with new members including IKEA.
Qi = Interoperability, applications and Industries that suitable to be Qi-enabled
## Wireless Power Standard Overview (WPC / PMA / A4WP)

<table>
<thead>
<tr>
<th></th>
<th><strong>WPC</strong></th>
<th><strong>PMA</strong></th>
<th><strong>A4WP</strong></th>
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<tr>
<td><strong>Technology:</strong></td>
<td>Magnetic Induction</td>
<td>Magnetic Induction</td>
<td>Magnetic Resonance</td>
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<td><strong>Established Date:</strong></td>
<td>Dec, 2008</td>
<td>Jan, 2012</td>
<td>May, 2012</td>
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<td><strong>Standard Published:</strong></td>
<td>Qi 1.1, Public</td>
<td>Power 2.0, member only</td>
<td>WiPower /A4WP v1.0, member only</td>
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<tr>
<td><strong>Founder:</strong></td>
<td>Various</td>
<td>Duracell &amp; Powermat, Proctor &amp; Gamble</td>
<td>Samsung, Qualcomm</td>
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<tr>
<td><strong>Member &amp; Key Supporters:</strong></td>
<td><strong>200+ members</strong></td>
<td><strong>70+ members</strong></td>
<td><strong>80+ members</strong></td>
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<tr>
<td></td>
<td>Samsung, HTC, Nokia, LG, Motorola, Sony, T.I, Philips, Panasonic, Verizon Wireless, Haier, PowerbyProxi, etc</td>
<td>AT&amp;T, Powermat &amp; Duracell, Starbucks, etc</td>
<td>Qualcomm, Samsung, WiTricity, Intel, etc</td>
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<td><strong>Certified Products:</strong></td>
<td>480+</td>
<td>In development</td>
<td>In development</td>
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<td><strong>Vision &amp; Future:</strong></td>
<td>- Medium Power up to 120W</td>
<td>Vendor hotspot</td>
<td>Development ongoing</td>
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<td></td>
<td>- Magnetic Resonance Charging</td>
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<td><strong>Product in Market:</strong></td>
<td>- Samsung Galaxy S5/ S4/ S3/ Note3/ Note2, etc</td>
<td>In development</td>
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<tr>
<td></td>
<td>- Nokia Lumia 1520/1020/920,etc</td>
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<tr>
<td></td>
<td>- Google Nexus 5/4/Nexus 7</td>
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<tr>
<td></td>
<td>- HTC Droid DNA, and lot more</td>
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</table>
About U-Way Corporation
# U-WAY Company Profile

<table>
<thead>
<tr>
<th><strong>Established:</strong></th>
<th>Jan 1995</th>
</tr>
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<tbody>
<tr>
<td><strong>Headquarters:</strong></td>
<td>3F-2, No.125, Lane 235, PaoChiao Road, HsinTien City, Taipei Hsien 23145, Taiwan</td>
</tr>
<tr>
<td><strong>China Factory:</strong></td>
<td>Block 5, Tongfuyu Xufa Industrial Zone, Shangcun Village, Gongming Town, Guangming New District, Shenzhen City, China</td>
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<tr>
<td><strong>Factory Space:</strong></td>
<td>12,000 Square Meters</td>
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<tr>
<td><strong>Employee:</strong></td>
<td>200 people</td>
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<td><strong>R&amp;D Department:</strong></td>
<td>10 Engineers</td>
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<td><strong>Expertise:</strong></td>
<td>Wireless Power Products, Apple MFI Accessories, Video Gaming Accessories (Sony, Nintendo, XBOX)</td>
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<tr>
<td><strong>Transaction:</strong></td>
<td>OEM &amp; ODM</td>
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</tbody>
</table>
U-WAY Factory Overview
U-WAY Corporation

3F-2 No. 125 Lane 235
Pao-Chiao Road
Hsintien District New Taipei City
Taiwan

GENERAL CONTACT INFORMATION
http://www.uway-q.com
886-2-89191717

http://www.wirelesspowerconsortium.com/member-list/details/18234/u-way-corporation
FY 1995 Jan  Established in Taiwan
FY 2000     Set up China factory facilities
FY 2007     Started to develop Wireless Power Product
FY 2008 Mar Started to develop and promote TX(Transmitter)/RX(Receiver) for use with Gaming Accessories
FY 2009     Granted Non-resonant patent right of Taiwan, US & Mainland China
FY 2011 Apr Joined WPC (Wireless Power Consortium) as one of a pioneer member
FY 2011 Nov Successfully developed Qi standard transmitter & Receiver modules
- **FY2012 Apr**  Granted Qi certification for RX(receiver) module (UNIRX-862Q)  
  World's first Qi-certified wireless power receiver

- **FY2012 Jun**  Granted Qi certification for TX(transmitter) module (UNITX-861Q)  
  World's first Qi-certified wireless power transmitter

- **FY 2012 Aug**  Granted Qi certification for RX(receiver) module (UNIRX-866Q)
• **FY 2013 Feb**
  Wireless Charging ENERGY CARD for Samsung Galaxy S3 / Note 2 *(S93CC-579Q / SN2CC-580Q)*.

  Adding wireless charging feature by attaching the Energy Card at the battery of S3/ Note 2. Its ultra thin and light weight design creates no burden to the device.

• **FY 2013 Feb**
  Granted Qi certification for RX(receiver) module *(UNIRX-884Q)*
• **FY 2013 Jun**
WPC V1.1 A6 TX Module 12V (UNITX-867Q) released. World's first WPC 1.1 Qi-certified A6 wireless power transmitter. This model of TX module designed for high end and automotive use.

• **FY 2013 Aug**
1) Wireless Charging ENERGY CARD for Samsung Galaxy (S95CC-592Q) granted Qi certificate.

2) Wireless Charging Jacket for iPhone5S/5 (IP5CR-568Q) granted Qi certificate, it is also fully APPLE MFi certified.
Milestone 5/7

• **FY 2013 Oct**
  Wireless Charging Energy Card for Note 3 (*SN3CC-627Q*) released.

  Make your Note 3’s Qi function ready by attaching the Energy Card on back of the battery.

• **FY 2013 Nov**
  Granted WPC Qi v1.1 certification for TX(Transmitter) module (*UNITX-870Q*)
**Milestone 7/7**

- **FY 2013 Nov**
  My Qi Card - Wireless Charging Card with Micro USB Connector \( (UNICC-628Q / UNICC-630Q) \) released.

  The flexible tail with Micro USB connector can be easily plugged into device with any thickness.

- **FY 2014 Mar**
  Qi Wireless Charging Energy Card for Galaxy S5 \( (SAM-00201) \) released.

  Make your Galaxy S5 Qi function ready by attaching the Energy Card on back of the battery.
U-WAY has positioned as an important EMS/ODM manufacturer in WPC
U-WAY Product Roadmap

Qi Modules Supplier
OEM & ODM
Manufacturer

WPC Low Power
- A1 single coil TX solution (19V)
- A6 3coil TX solution (12V)
- A11 single coil TX solution (5V)
- PMA/WPC dual mode solution

WPC Medium Power
- 10-15W TX/RX Solution

WPC Medium Power
Under Development
- 15W-120W

A4WP
- Long distance – Magnetic Resonance Solution

Application
- Medium Power Charging for Laptop
- Standard Medium Power Modules for Home Electronic and Kitchen Electronic
- Tablet, Automotive, USB Devices

2014

2015

Released
Future
U-WAY Products
U-WAY is No.1 of WPC has

60+ Qi Certified Products
110+ OEM/ODM Qi Products


**U-WAY** has about one third Qi-certified product in WPC product database

http://www.wirelesspowerconsortium.com/products/

Showing results 0-20 of the 61 results found

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Brand Name</th>
<th>Type Number</th>
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<td>Qi wireless charging card for Galaxy S5</td>
<td>U-WAY</td>
<td>SAM-00201</td>
<td>Mar 25, 2014</td>
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<td>WPC Qi 1.1 Embedded Furniture TX Module (DIY Solution) with 5V/2A AC Adapter</td>
<td>U-WAY</td>
<td>UNITX-876Q</td>
<td>Mar 12, 2014</td>
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<td>WPC Qi 1.1 Elevator-Qi wireless charging base with DC cable</td>
<td>U-WAY</td>
<td>UNINC-690QU</td>
<td>Mar 11, 2014</td>
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<td>WPC Qi 1.1 Embedded Furniture TX Module (Industrial Application) with 5V/2A AC...</td>
<td>U-way</td>
<td>UNITX-877Q</td>
<td>Mar 11, 2014</td>
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<td>WPC Qi 1.1 Elevator-Qi wireless charging base with 5V/2A AC Adeptor</td>
<td>U-way</td>
<td>UNINC-690QA</td>
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<td>Macaron - Qi USB to Lightning Mini Wireless Charging Receiver</td>
<td>U-WAY</td>
<td>IPSCR-637QM</td>
<td>Mar 5, 2014</td>
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<td>UNICR-617Q</td>
<td>Mar 5, 2014</td>
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<td>U-WAY</td>
<td>UNICR-618Q</td>
<td>Mar 5, 2014</td>
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<td>U-WAY</td>
<td>UNICR-619Q</td>
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<td>Wireless Power Rx module</td>
<td>U-WAY</td>
<td>UNRX-682Q</td>
<td>Jan 16, 2014</td>
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<td>USB Qi Wireless Charging Pad</td>
<td>U-WAY</td>
<td>UNINC-631Q</td>
<td>Nov 14, 2013</td>
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<td>Qi Wireless Power TX_Module</td>
<td>U-WAY</td>
<td>UNITX-870Q</td>
<td>Nov 13, 2013</td>
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<td>Qi Wireless Charging Energy Card for Samsung Galaxy Note 3</td>
<td>U-WAY</td>
<td>SN3CC-527Q</td>
<td>Nov 1, 2013</td>
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<td>Qi Single Coil Wireless Charging Shuttle with Car Charger</td>
<td>U-WAY</td>
<td>UNINC-615Q</td>
<td>Sep 17, 2013</td>
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<td>Qi Single Coil Wireless Charging Shuttle</td>
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<td>UNINC-616Q</td>
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<td>Max Sens-Qi 3 Coils Wireless Charging Shuttle with Car Charger</td>
<td>U-WAY</td>
<td>UNINC-613Q</td>
<td>Sep 17, 2013</td>
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<td>U-WAY</td>
<td>UNINC-614Q</td>
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<td>U-WAY Qi Certified Products</td>
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<td><strong>UNITX-867Q (12V)</strong></td>
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<tr>
<td>Wireless Power Receiver Module</td>
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<tr>
<td><strong>UNITX-870Q (5V)</strong></td>
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<tr>
<td>Qi v1.1</td>
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<td>Wireless Power Transmitter Module</td>
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<tbody>
<tr>
<td><strong>UNITX-863Q</strong> Qi Embedded TX Module (DIY Solution)</td>
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<tr>
<td><strong>UNITX-861Q (19V)</strong> Qi Wireless Power Transmitter Module</td>
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<tr>
<td><strong>UNITX-864Q</strong> Qi Embedded TX Module (Industrial Application)</td>
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</table>
U-Way Qi Certified Products

**UNIRX-862Q**
Qi Wireless Power Receiver Module

**UNIRX-882Q**
Qi v1.1.2 Wireless Power Receiver Module

**UNIRX-866Q** (650mA)
Qi Wireless Power Receiver Module

**UNIRX-884Q**
Qi Wireless Power Receiver Module
U-WAY Qi Certified Products

UNINC-690QA / UNINC-690U
Elevator – Qi v1.1 Wireless Charging Base

UNITX-876Q (DIY Solution) / UNITX-877Q (Industrial Application)
WPC Qi v1.1 Embedded Furniture TX Module with 5V/2A AC Adapter

UNICR-618Q
Macaron - Qi Mini Receiver

IP5CR-568QM
Qi Wireless Charging Jacket for iPhone 5S/5 with MFi certification
U-WAY Qi Certified Products

UNICR-617Q
Macaron - Qi Micro USB Mini Receiver with 12cm Cable

UNICR-619Q
Macaron - Qi USB to Micro USB Mini Receiver with 12cm Cable

IP5CR-636QM
Macaron - Qi Mini Wireless Charging Receiver with 12cm Cable

IP5CR-637QM
Macaron - Qi USB to Lightning Mini Wireless Charging Receiver with 12cm Cable
U-WAY Qi Certified Products

**UNINC-631Q**
Qi v1.1 Wireless Charging Pad with USB Cable

**UNINC-586Q**
Qi v1.1 Max Sens 3 Coils Wireless Charging Stand

**UNINC-585Q / UNINC-593Q**
Qi v1.1 Max Sens / Mini Wireless Charging Pad

**UNINC-613Q**
Qi v1.1 Max Sens – Wireless Charging Shuttle with car charger
U-Way Qi Certified Products

SAM-00201
Qi Wireless Charging Energy Card for S5

UNICC-628Q / UNICC-630Q
MyQi Card – Wireless Charging Card with Micro USB Connector

SN3CC-627Q
Qi Wireless Charging Energy Card for Note 3

S95CC-592Q
Qi Wireless Charging Energy Card for S4

S93CC-579Q
Qi Wireless Charging Energy Card for S3

SN2CC-580Q
Qi Wireless Charging Energy Card for Note 2
U-Way Qi Certified Products

- **S93CR-565Q**
  Qi Wireless Charging Back Cover for S3

- **IP4CR-321B**
  Qi Wireless Charging Jacket for iPhone 4S/4

- **UNINC-553Q**
  Qi Wireless Charging Pad

- **B97CR-321E**
  Qi Wireless Charging cover for Black Berry 9700
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<tr>
<td>PS3CR-321R</td>
<td>Qi Wireless Receiver for PS3 Controller</td>
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<tr>
<td>X36BP-321Q</td>
<td>Qi Wireless Battery Pack for XBOX360</td>
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<tr>
<td>3DSCR-321D</td>
<td>Qi Wireless Charging Jacket for 3DS</td>
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<td>IPHCR-548Q</td>
<td>Qi Charging Clip for iPhone 4S/4 (30pin)</td>
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<tr>
<td>UNICR-548Q</td>
<td>Qi Micro USB Charging Clip</td>
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<td>UNICR-549Q</td>
<td>Qi Micro USB Charging Clip</td>
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</table>
Qi Furniture Embedded TX Module

- WPC Qi-certified transmitter, allow to charge for any Qi receiver.
- Seamless integration of Qi charging station by furniture manufacturers to existing furniture, table, public facilities, etc.
- Input: 19V/400mA
- Output: 5V/1A
- Power transfer efficiency: 78%

DIY Solution
Dimensions: Φ92.2 x 22mm
Net weight: 137 ± 5g

Industrial Application
Dimensions: Φ84.5 x 20mm
Net weight: 125 ± 5g
Quality Certification
Production Capability
Plastic Injection Molding Machine x 9
Capacity: 31,500pcs / day
Lead-free Assembling Line X 6
Capacity: 18,000pcs / day

Lead-free Packing Line X 5
Capacity: 20,000pcs / day
Production Capability

SMT Lead-free Production Line  X 4
Capacity:  50,000pcs / day
Quality Control Capacity

- Pass through the QMS Audit and S&E(Social & Ethical) Audit by BV & CTI. Other certification like: EMC, LVD, RTTE, ERP, Toy Test, CPSIA, WEEE, CE, FCC, PSE, UL, Azo-Dye etc.
- Quality Standard – AQL Standard II Maj:0.65 Min:1.5
- ROHS Lead-free Standard Procedure
- REACH Material & Procedure
- Other Environment Regulation
Strength and Superiority

1. Qi TX/RX Module Supplier
2. Qi Product ODM & OEM Manufacturer

- Power Products Experience > 10 years
- No.1 Qi Certificated products
- OEM/ODM Experience >15 years
- Strong R & D Team

- Wireless Power Product Experience > 7 years
- WPC Member
- Professional Module Supplier
- T.I Wireless Power Module ODM
Why Choose U-WAY As Your Partner?

1. U-Way is the first TX/RX modules manufacturer of WPC.
2. To use U-Way’s TX/RX Modules will save customer’s developing time, manpower and cost.
3. Saving Qi Lab testing fee while products certificate
4. Strong RD teams, professional in developing for wireless power products, experience in production skill.
5. Provide product design assistance, consulting, troubleshooting and support.
6. Professional in EMS, OEM, ODM services.
Thank you for your attention

U-Way Corporation

is looking forward to cooperate with you!

Contact: Promise Cheng
Email: promise@uwaycorp.com.cn
Mobile: (86) 136 22317741

www.uway-qi.com