Semtech offers wireless power transmitter and receiver platforms for both direct and indirect charge applications in both standards-compliant and non-compliant systems. Semtech is a member of the Wireless Power Consortium (WPC) and is active in helping shape the future standards for wireless power.

### Standards
- **WPC (Qi)** most well known for inductive standard leading the market on wireless charging for smart phones

### Why Semtech?
- Wireless Power Consortium (WPC) member since 2010
- Major contributor to WPC 65W initiative
- Multi power level support
- iPhone 5W, 7.5W (fast charging)
- Samsung 5W, 9W (fast charging)

For more information, visit [semtech.com/power-management/wireless-charging-ics/](http://semtech.com/power-management/wireless-charging-ics/)

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LinkCharge® Product Family

**PRIMARY TECHNOLOGIES**

**MAGNETIC INDUCTION (MI)**
Better efficiency

- Tightly coupled coils: $Z$ much smaller than $D$

**MAGNETIC RESONANCE (MR)**
Better positioning flexibility

- Loosely coupled coils: $Z$ similar to $D$

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**LINKCHARGE WIRELESS CHARGING EVM PORTFOLIO**

**LOW POWER WEARABLE**
- LinkCharge LP
  - TSWRX-SV-2RX-EVM

**MEDIUM POWER**
- LinkCharge 5, 10, 15, CT
  - TSDMTX-SV2-EVM
  - TSDMRX-SV/10W-EVM
  - LinkCharge CT

**HIGH POWER**
- LinkCharge 20
  - TSDMTX-19V2-EVM
  - TSDMRX-19V/20W-EVM

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Visit www.semtech.com for more information.

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