

RA Ecosystem Partner Solution PTX100W NFC WLC EVK



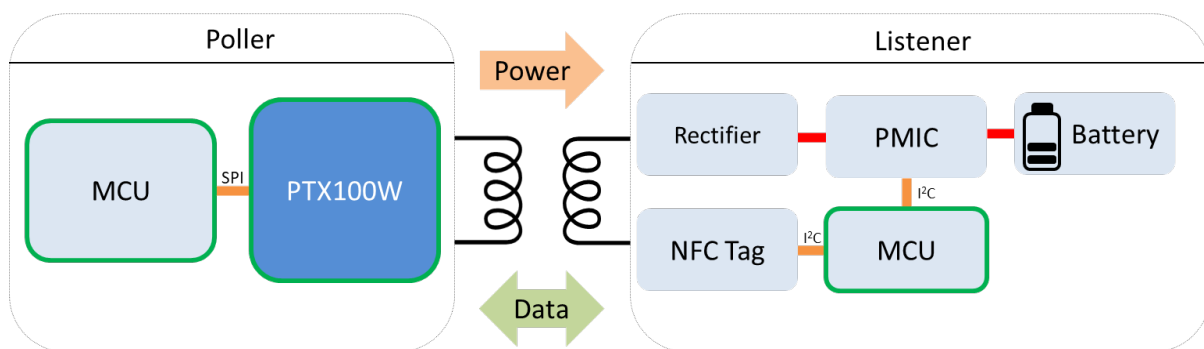
1. Solution Summary

PTX100W reference design provides manufacturers of wearable and portable devices with a blueprint for a complete system design, including hardware schematics and Gerber files for both the poller and listener circuits, and separate software development kits (SDKs) for the poller and listener. As well as the PTX100W NFC controller from Pantronics, the reference design supports [Renesas RA](#) and [Renesas Synergy](#) MCUs for system control in the poller and listener circuits.

2. Features/Benefits

- NFC Wireless Charging SDKs for high-power, high-performance PTX100W NFC WLC platform.
- Easy-to-use, ready-to-go SW integration.
- Discrete high-power harvesting WLC Listener Boards with PMIC and MCU
- Convergence with reader functions supporting all types of NFC and standard protocols (ISO14443 A/B, ISO18092, ISO15693, FeliCa).
- EMI filter less (DiRAC®) high-power end-application RF-design supported with Config Tool SDK

3. Diagrams/Graphics



4. Target Markets and Applications

- Smart glasses
- Smart rings
- Small accessories
- Stylus
- Hearing aid
- Wearables

Pantronics AG:

- Grounded in the semiconductor and NFC hub of Graz in 2014
- Independent provider of differentiated Wireless Solutions
- Over 50 Full Time Employee and a large portfolio of core NFC patents
- Providing complete silicon and software products and solutions

Pantronics NFC Solutions:

- Ground-breaking NFC architecture enabling exciting new use cases in fast growing markets
- Two product lines in full production targeting power and security solutions
- Major customers fully ramped in Point of Sale, IOT and Wireless charging using fully qualified back end chain

