

NuCurrent Slotted Power Communication

DEVELOPMENT KIT - PHASE 0 VERSION

NuCurrent's Slotted Power Communication development kit is targeted for medium to high power applications that require slotted communication during wireless power transfer. The system works for both WPC Kitchen Working Group and Medium Power standard applications, but can be applied for systems from milliwatts to megawatts.

The kit includes two identical PCB's for use in transmission and reception. Each PCB is comprised of a wireless communication PCB combined with antenna. The antenna is functional as shipped, but designed to be snapped off and repositioned or replaced. The system is designed to accept a customized customer antenna/coil.

Features and Benefits:

- Extensive digital library available for both PC and embedded platforms
- Snap off antenna for maximum flexibility
- Typical Applications
 - WPC Kitchen Working Group
 - WPC Medium Power Working Group
- Firmware upgrades via USB 2.0 – no special tools or software required
- Expanded functionality in future revisions
- Services for customization and development available



NuCurrent Slotted Power Development Kit

Connection Interface	UART 115200 Baud, 8-N-1 UART 460800 Baud 8-N-1 USB Composite Mass Storage (For Firmware Update) *USB CDC, *I2C 400 KHz, *SPI
Operating System	Windows 10 with standard driver (X86_64)
Current Version Supported Technologies	Slotted Power Communication Used with: -WPC Kitchen Working Group -WPC Medium Power Working Group
PCB Interface	Programming - MicroUSB UART - 1.27mm pitch pin header
Additional NuCurrent Services	System Design Antenna Design and Simulation Feasibility Studies Software/Firmware Development Certification support services
Dimensions	78.42mm x 32.20mm x 6.32mm

Description	Order Number
NuCurrent Slotted Power Dev Kit - PHASE 0	NC03-T228-EVK-POA

**Not supported on current version but will be available via firmware update.*