

Power Line Antenna II

Superior Frequency Range & Improved Voltage Protection

- 1kHz to 1.25GHz - 0 to 480VAC
- Compatible with all CTL-SW Sensor Platforms
- Compatible with COTS Spectrum Analyzers
- Compatible with COTS/GOTS SDRs



The **CTL-SystemWare Power Line Antenna II (PLA II)** offers unmatched performance, user flexibility and an extremely wide frequency range. With an RF spectral coverage of 1kHz to 1.25GHz and voltage protection up to 480VAC, PLA II addresses the increased threats caused by the technological improvements in carrier current devices and power line and conductor infrastructure. The PLA II, designed to operate with CTL-SystemWare's full complement of RF sensor products and software, can also be utilized with generic spectrum analyzers or software defined radios of your choice. Equipped with Ethernet, USB, manual controls and embedded browser support, the PLA II allows the user to automatically cycle between conductor pairs during a sweep or manually when used as a stand-alone unit.

For more information, contact:

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Learn more about our capabilities at:

www.ctl-systemware.com

Features

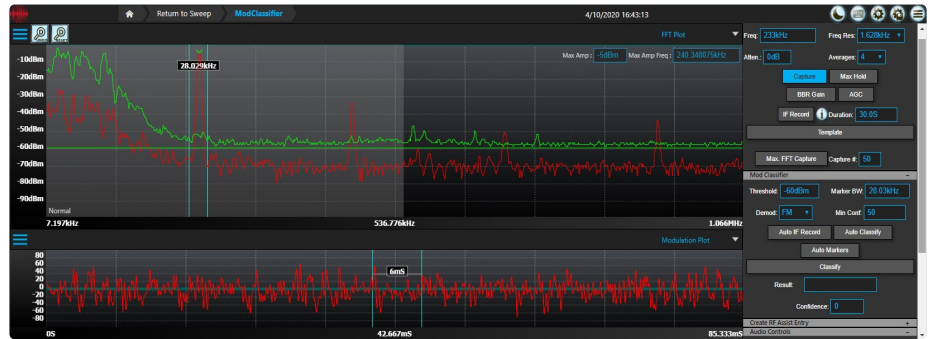
- 1kHz - 1.25GHz Frequency Coverage
- Up to 480VAC Power Support
- Up to 60dB of Attenuation
- Automated Switching Between States of Power via Ethernet/USB Control
- Manual Switching for use with Spectrum Analyzers or SDRs
- Browser Command and Control

Specifications

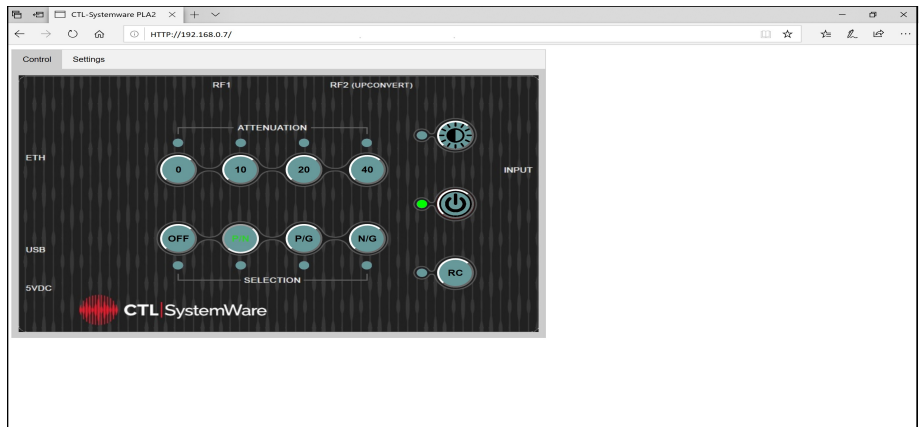
- Gain: 15dB @ 0 Attenuation Setting
- Line Input: 0-480VAC, 50/60Hz
- Output: Two SMA's; 50 OHM
 - RF 1: 1kHz to 1.25GHz
 - RF2 Upconvert: 3GHz to 4.25GHz
- Filtering: >140dB; High-Pass and Notch Filters Attenuate the AC Line Components
- Attenuation (Manual): 0, 10, 20, 40dB or Combination Up to 60dB
- Attenuation (Remote): 60dB; 1dB Steps
- Auto and Manual Control: 3 Channels; PN, PG and NG
- Power Supply Voltage: 5VDC
- Power Consumption: <3W
- Physical Size: 7.45"x 4.72"x 1.71"



Quickly Scan 3-States of Power Line Conductors
(CTL-SW Sensor Sweep w/PLA II)



Analyze Detected Power Line Signals
(CTL-SW Sensor Interactive Plot w/PLA II)



Browser Control Interface



Turnkey **Products** | Comprehensive **Training** | Customized **Services**

CTL-SystemWare provides world class technical security solutions for the protection of government, corporate and private interests. Our services and solutions are uniquely designed to help our clients improve communications, protect intellectual property, secure the integrity of information systems and networks, and increase efficiency and mission effectiveness. CTL-SystemWare provides individualized risk mitigation solutions for modern technical problems.

Learn more about our capabilities at: www.ctl-systemware.com