

Sifos Technologies Newsletter

PowerSync® Analyzer News

Volume VIII

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Sifos Technologies Announces the PoE+ Powered Device Analyzer!

The PoE+ Device Analyzer (PDA-300) is a single-box comprehensive solution for testing IEEE 802.3at PoE Powered Devices (PD's). The instrument offers one-button, fully automated test sequences and limit processing for critical Powered Device operating parameters. With measurements performed at the Powered Device network interface, many parameters critical to IEEE 802.3at interoperability can be efficiently compared to specification requirements thus fully avoiding the need for extensive interoperability testing with IEEE 802.3at PSE's and network connections.

"Sifos Technologies provides the world's only automated IEEE 802.3at Powered Device Analysis solution which gives network equipment manufacturers the confidence that their PD's will operate with any IEEE 802.3at compliant PSE." said David Lucia, Sifos Technologies' President.

The new PoE+ Powered Device Analyzer offers the following key features:

- **Automated Testing of IEEE 802.3at PD Parameters**
- **One-Button IEEE 802.3at Test Sequencer & Spreadsheet Report**
- **PD Load Monitoring and Class Compliance Analysis**
- **PD Load Monitoring over Voltage**
- **Informative Pop-Up Spreadsheet Reports & Statistics**
- **PD Source Power to 30 Watts**
- **Compliant 2-Event High Power Grants**
- **Thru Port for External PD Control, Packet Test & LLDP Test**
- **Optional User-Defined Test and Limits**
- **Use Stand-Alone or with Host PC**
- **Available as PDA-100 to PDA-300 Upgrade**

What about PoE LLDP?

The PDA-300 performs comprehensive, multi-state electrical testing of the Powered

Device, including full power states achieved following an 802.3at 2-event power grant.

Customers wishing to verify LLDP protocol and state behaviors of a Powered Device may do so by routing the PDA-300 THRU port to an LLDP (PSE) emulation entity. The PDA-300 Load Monitor may then be used to assess PD power state changes and any potential violations of Pclass_max, Ppeak_max, and LLDP Power Request levels.

Separately, Sifos offers flexible LLDP emulation in the PSA-3000 platform that can be configured for PSE LLDP simulations.

Quick Links

[Sifos Technologies Website](#)

[PoE+ Powered Device Analyzer Product Information](#)

[PoE+ Powered Device Analyzer Product Overview](#)

[PDA-300 versus PDA-100](#)

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