

Sifos Technologies Introduces IEEE 802.3at PSE Multi-Port 2nd Generation for the PowerSync® Analyzer and Programmable Load

Sifos Technologies releases the new IEEE 802.3at PSE Multi-Port 2nd Generation Test Suite software upgrade for the PowerSync Analyzer and Programmable Load. This fully automated group of tests and reporting takes the PowerSync Analyzer and Programmable Load and its widely utilized PSE Multi-Port Test Suite into full IEEE 802.3at PSE System Power Management and Multi-Port Behavior testing.

Boston, MA (PRWEB) July 09, 2015 -- Sifos Technologies, Inc. (www.sifos.com) introduces the Multi-Port 2nd Test Suite for the PowerSync Analyzer and Programmable Load. The Multi-Port 2nd Generation Test Suite takes the PowerSync Analyzer (PSA) and its proven PSE Conformance Test Capabilities into the realm of fully automated in-depth system testing of IEEE 802.3at PSE's assessing system-wide behaviors.

Whereas PSE Conformance Testing assesses compliance of each stand-alone PSE port to 802.3at specifications, multi-port testing assesses system-wide behaviors only observable when many PD's are powered by a PSE. The PSE Multi-Port Test Suite will acquire and distill information regarding key behaviors of a PSE including class-based power administration, multi-port LLDP granting, power-up and LLDP grant timing, static power capacity, transient reserve capacity, power down timing, power-per-port uniformity and uncertainty, and power stress test analyses. This highly unique capability enables product developers and QA professionals to gain totally new insights into PoE system characteristics and behaviors. Users are given total control of key Powered Device emulation characteristics throughout the execution of the Multi-Port 2nd Generation Test Suite.

Automated analysis and reporting up to 192 PSE ports the Multi-Port 2nd Test Suite is easily configured to cover all required PD emulations such that system testing of Type-2 (30W) and Type-1 (15W) PSE's is performed in a just a single sequence, with up to 38 limit-checked parameters produced on a single, graphic-rich Microsoft Excel report. The standard report generated by the Multi-Port Test Suite organizes all parameters by Multi-Port Test and by PD emulation (e.g. Class 4, Type-1, etc.) with colorful annotations for parameters that represent non-ideal or design constrained behaviors and, for certain parameters, IEEE 802.3at specification violations.

“Multi-Port 2nd Generation Test Suite is breakthrough technology unique to the PoE+ industry providing full Power Sourcing Equipment system testing for network equipment manufacturers to simulate real-world environments,” said David Lucia, Sifos Technologies President.

The Multi-Port 2nd Generation Test Suite is available with the PSA Software Release 4.1 for the PowerSync Analyzer and Programmable Load chassis-based platforms. The Multi-Port Suite also includes Live PD Emulation for use with interactive testing of PSE administrative and power management behaviors.

About: Sifos Technologies is the market leader in PoE (PSE and PDs) and provides Ethernet PHY (physical layer) automated test & measurement solutions for network equipment and semiconductor manufacturers, test labs, system integrators, field service and IT departments.

The company is located just outside Boston, Massachusetts (USA) and may be contacted at +1-978-640-4900



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