

2-Port Power over Ethernet Load Module

FEATURES SUMMARY

- IEEE802.3af compliant
- PoE Verification Procedure
 - PD Detection test
 - Decide whether the terminal is PoE enabled
 - Test Detection Voltage
 - PD Classification test
 - Signature ranges
 - Voltage range
 - Time
 - Gradual Startup test
 - Inrush current limit and time
 - Turn-off voltage and time
 - Support operation test
 - Support short circuit test
 - Support overload test
 - Support repetitive overload test
 - Support load cross talk test
 - PD Disconnection test

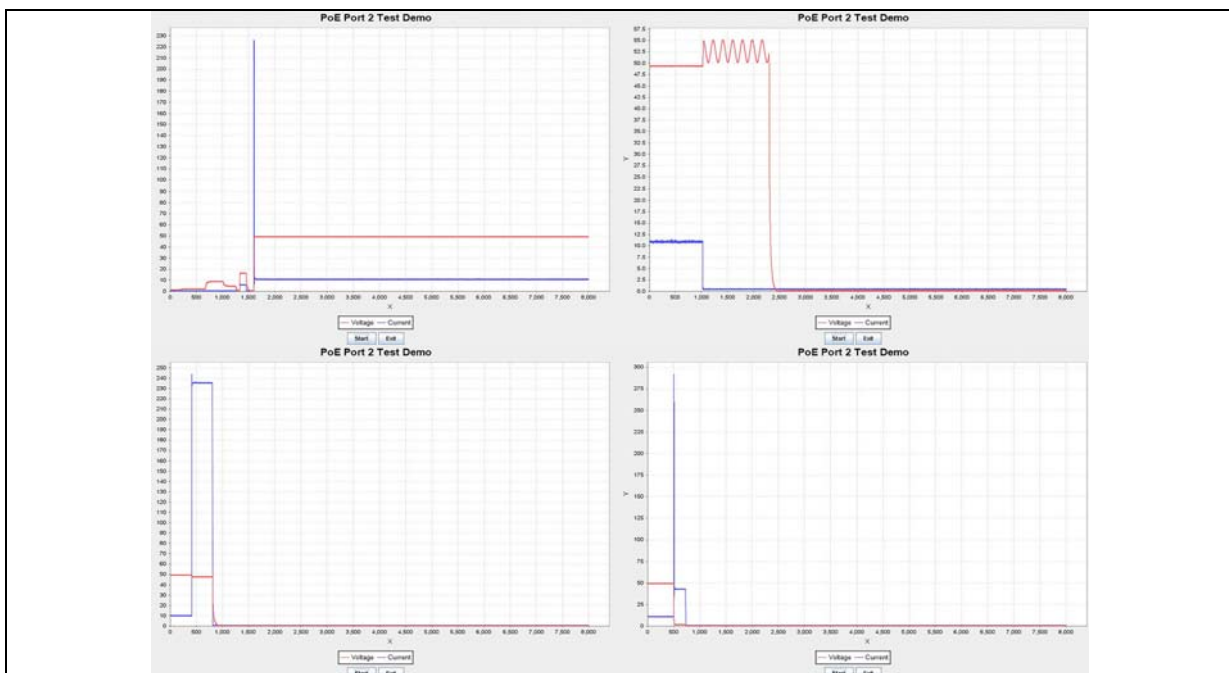
Direct measurements of power, current, voltage, rise time, duration, signaling behavior and other physical and signaling protocol-related parameters.

MAJOR BENEFITS

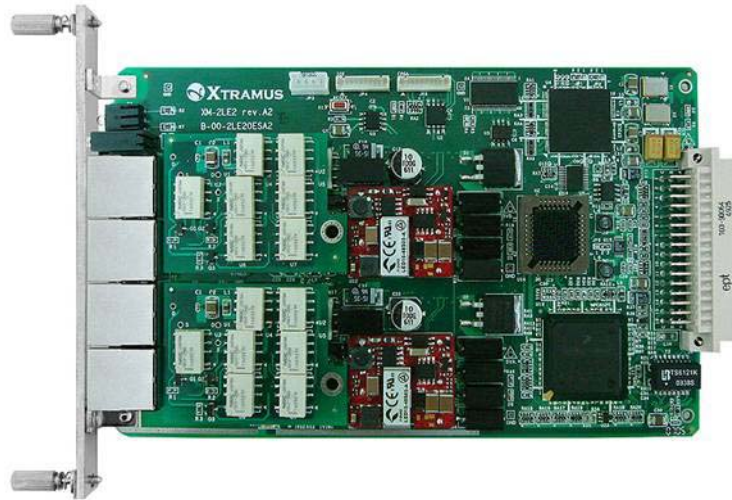
- Load capacity to 20 Watt/port continuously
- High port density- up to 32 PoE ports per NuStreams-2000 chassis
- Load operates in Constant Power (CP) mode
- Support for all 5 PD classes (0~4) of power level
- Compatible with 10/100/1000 Mbps Ethernet data rates.
- Analog outputs for voltage and current monitoring on GUI.
- Fully configurable and managed using GUI.
- API support for test automation
- Monitor current and voltage between PSE and PD
- Alternative A and/or B wiring

PRIMARY APPLICATIONS

- Automated testing for manufacturing
- Equipment testing for Ethernet switch manufacturers



XM-2LE2



OVERVIEW

XM-2LE2 is a platform which dedicates to test and monitor Power over Ethernet (PoE) devices. Power over Ethernet, specified by IEEE802.3af, describes a system to transmit power with data, to remote devices over standard twisted-pair cable in an Ethernet network. The standard describes 2 types of devices in a PoE system: Power Sourcing Equipment (PSE) and Powered Devices (PD). PSE is the equipment that provides power to the Ethernet cable. PD is the equipment that interfaces to the Ethernet cable and is powered by supply on the cable. They could range from switches, hubs, webcams, IP phones, etc. XM-2LE2 is an effective and valuable module of remotely supplying and monitoring equipment that may be connected to an Ethernet network or system. It could be used in NuStreams- 2000 application—an interactive, GUI-based software interface which allows all features of each module to be configured and operated.

XM-2LE2 provides the capability to pass cabling traffic at the same time as delivering data for reports and analysis. Two modes of functions are supported as loading mode and monitoring mode. It can simultaneously simulate two PDs in loading mode, and support IEEE802.3af defined five classes with various power levels by registries. And it can be configured to different loads. It can also monitor current and voltage between PSE and PD in monitoring mode.

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