

Reach RT-PoE5 IEEE 802.3bt Power-over-Ethernet PSE Production Tester

After assembly, electronic equipment manufacturers need to test product functionality. They need the most test coverage, in the shortest time, for the least cost. When test engineers develop product test plans, they select the most appropriate off-the-shelf general purpose test equipment available. Reach designs and manufactures custom test equipment which is a better fit than general purpose equipment. It not only reduces test time but also reduces costs.

The new IEEE 802.3bt Power-over-Ethernet standard provides the highest power and most flexible configuration to date. To accommodate this new standard, Reach Technology designed its latest test unit, the PoE5, to test Power Sourcing Equipment (PSE) including Ethernet switches, Power over HDBaseT (POH), and LED lighting controllers.

RT-PoE5 Advantages

- Quick, thorough final test before shipping PoE source to ensure customers do not receive units with DOA ports.
- Test all ports at full power with no duty cycle limitations.
- Datapath loopback at full 10G rate for complete power and data integrity testing.

Share Your Requirements

Call our Technical Sales Team at 503-674-6464 x2 or email sales@reachtech.com for more information or to let us know about your requirements.

PoE IEEE 802.3bt Tester



The RT-PoE5 is a 1U high enclosure with 24 UUT ports similar to its predecessor, the PoE4 shown here.

Test Applications

- Multiport Ethernet Switch with PoE Power
- LED Lighting PoE Power Units
- HDBaseT (POH) Power Units

Features

- Compliant to IEEE 802.3bt four power pair standard.
- Up to 100W total per-port adjustable load, 50W per power pair, fully programmable.
- Support for both single and dual signature implementations.
- Cost-optimized for volume production functional testing.
- Datapath rated to 10GbaseT for both current and future test needs.
- Supports Autoclass option for LED lighting applications.
- 24 UUT (Unit Under Test) ports in a 1U high enclosure for high-density testing.
- Dynamic load with per-power-pair user defined current or constant power test levels.
- Measures individual port voltages for compliance to standard.
- Supports Type 3 and Type 4 Power Sourcing Equipment and additional classes (Class 5 to Class 8).

Reach Technology, a [Novanta](#) company, reserves the right to make changes in design or specification at any time and without notice.