PoE5 IEEE 802.3bt 100W Power-over-Ethernet Tester

Part Numbers: 53-0005-11 (24 Ports), 53-0005-31 (8 Ports)

Cost-Effective, High-Throughput Functional PoE Device for Manufacturing Testing

The new IEEE 802.3bt Power-over-Ethernet standard changes the maximum power available over Ethernet for a more efficient delivery system. Reach Technology has designed the PoE5 tester to support the new bt standard. It provides engineering and manufacturing a cost-effective, functional testing tool for Power Sourcing Equipment (PSE), including Ethernet switches, Power over HDBaseT (PoH), and LED lighting controllers.

The PoE5 is in a R1U enclosure with 24 ports

The PoE5 tester supports functional diagnostic testing on 24 PSE ports compatible with IEEE Standards 802.3af, 802.3at, and 802.3bt, plus support data path speeds up to 10GBASE-T including 2.5G and 5G. PoE5 testers can draw up to 1000mA per port while passing 10Gb traffic. The 24 port provides high-density Powered Device (PD) loads in a single chassis with eight power class levels. Data protocol features such as the Link Layer Discovery Protocol (LLDP) are not supported to keep costs low.

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.

- Cost-optimized for volume production functional testing.

Test Applications

- Multiport Ethernet Switch with PoE Power

- LED Lighting PoE Power Units

- HDbaseT (POH) Power Units

Get the PoE5 Manual in the Documents Tab at reachtech.com/products/poe-tester/poe5/.

Features

- Compliant to IEEE 802.3bt standard.

- Supports eight power Classification (1-8) and Autoclass (all nominal).

- Up to 100W total per-port adjustable load, 50W per power pair, fully programmable.

- Support for both single and dual signature implementations.

- 10GbaseT traffic for each test port to neighboring port, isolated from PD load.

- Supports Autoclass option for LED lighting applications.

- 24 UUT (Unit Under Test) for high-density testing.

- Measures individual port voltages for compliance to the standard.

- Dynamic load with per-power-pair user-defined current or constant power test levels.

- Mounts in a standard 19" high rack (R1U) using screw-on ears.

One Year Warranty*

Durability starts with design, then each unit goes through a series of QA tests. 4th generation PoE Tester product to be built and delivered.

Proven Quality

We supply the world's largest data switch manufacturers and consistently receives high marks on quality and field reliability.

Made in the USA

We make products in the USA and staff all positions in the USA. Put our knowledge, experience, and expertise on your team.

Longevity

Designing and manufacturing production-oriented test equipment since 2005. In business 25+ years.

Specifications

- Chassis Dimensions:
  16.665" D x 17.30" W x 1.74" H

- Shipping Weight: Approximately 21 lbs. Box Dimensions: 22" D x 22" W x 6" H

- Materials: Metal housing with PCBA for line cards, fans, cables, and power supply board

- Each tester comes with a worldwide universal AC input power supply brick (85-264 VAC input, 90% efficient, 0°C to 40°C operation, IEC320/C14 input)

- Order an optional accessory kit to get a six-foot AC power cord with an IEC 320 C13 connector with a mating outlet type to match your region and a console cable with either a DB9 or USB connection.

- US Harmonized Tariff Schedule (HTS): B:9030.40.0000

- Export Administration Regulations (ECCN): EAR99

- Country of Origin (COO): United States

Pricing & Availability

Call our Technical Sales Team at 503-675-6464 or email sales@reachtech.com for pricing or to place an order. Individual testers may be available from stock. For quantity orders, products are built-to-order. Contact us for current lead times.

* For extended warranty options contact our sales team.

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