UHD100T32 — Purpose-Built to Meet the Density and Cost Challenges of Validating 100GE Devices

Keysight’s UHD100T32 32x100GE QSFP28 fixed chassis test system comes ready, out of the box, to test your 100GE devices with simplified deployment, web user interface, and a staggering 3.2Tbps of Layer 2/3 traffic generation.

**Purpose-Made for Data Centers**

Until now, the density, rackspace, and cooling required to match test ports to data center network ports was not feasible. With 32-ports in a compact 1U footprint and fan-outs for 100/50/40/25/10GE speeds, Keysight brings the economies to testing needed in today’s data center.

**Faster Time to Test**

The tests you create using the UHD’s simplified web user interface (UI) are fully automatable using modern application programming interfaces (APIs) like REST and Python. Get a fast start by using the included RFC 2544 benchmark tests and leveraging OpenIXIA.com, a user-forum library of test cases.

**Rely On Keysight’s Proven L2/3 Test Application**

Home-grown tools are not only expensive to build and maintain, but they aren’t comprehensive enough. It’s time to rely on Keysight, the industry leader in test. Our proven Layer 2/3 test solution includes validation for throughput, latency, packet loss, convergence, and much more.
Use Cases

Among the many testing challenges that Keysight’s UHD test system can address, a couple of key use cases that will benefit the most include validating modern data center devices and networks and manufacturing production line tests for switches, routers, and other Ethernet devices.

Data Center Operators

- Full-box tests, throughput latency, optics validation
- Link failures, one-off device failures
- RIB-IN convergence failover resiliency
- RFC benchmark tests
- Debugging and fixing failures by live tests in pods
- BGP ECMP load balancing

Device Manufacturers

Production Test Development

- Develop comprehensive test cases
- Replace limited-scope snake tests with full-box tests
- Ease test development with built-in automation

Production-Line Tests

- Technician’s push-button workflow
- Fully automated tests with results database

Learn more at: www.ixiacom.com/products/uhd100t32-32-port-100ge-test-system

For more information on Keysight Technologies’ products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus