

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight UHD100T32

Base Software: IPv4 IPv6 Ethernet interface emulation User Interface: web browser to chassis IP Use Cases: production line and data center validation From Keysight UHD100T32 QSFP28 Ultra-High-Density 32-Port Test System data sheet 7019-0482. Optional routing protocols are an add-on; base software includes RFC 2544. User Interface: web browser to chassis IP Use Cases: production line and data center validation From Keysight UHD100T32 QSFP28 Ultra-High-Density 32-Port Test System data sheet 7019-0482. Optional routing protocols are an add-on; base software includes RFC 2544.



MODEL	CALIBRATION
Agilent / Keysight UHD100T32	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
UHD100T32	https://aumictechlabs.com/products/uhd100t32-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight UHD100T32 is a 1U rackmount test system purpose-built for validating 100 Gigabit Ethernet devices and networks in data center environments. It delivers 3.2 Tbps of Layer 2/3 traffic generation and analysis across 32 native QSFP28 ports, supporting line-rate performance at 100/50/40/25/10 GE with per-port and per-flow statistics. The system enables cost-effective testing at scale with a compact footprint that minimizes rack space and power consumption. Technical Specifications Port Density: 32 × QSFP28 100 GE ports in 1U form factor Total Throughput: 3.2 Tbps Layer 2/3 traffic generation and analysis Supported Line Rates: 100 GE, 50 GE, 40 GE, 25 GE, 10 GE - all at line-rate performance Latency Measurement Resolution: 1

ns FEC Support: Reed-Solomon (RS-FEC) and Fire-Code (FC-FEC) with FEC statistics Auto-Negotiation & Link Training: SupportedKey Features Native QSFP28 physical ports with multi-speed fanout enabled out-of-the-box Per-port and per-flow statistics for granular traffic analysis Web UI for test creation with full automation via REST and Python APIs Access to OpenIxia.com test case library for rapid test development Optional routing protocol support: OSPF, BGP, ISIS SONiC Test Bed in a Box: Consolidates root/leaf fan-out switches and test servers into a single 1U unit with cEOS and PTF instances; automation via Ansible scripts RFC 2544 benchmark testing and IPv4/IPv6/Ethernet interface emulation via UHD Base SoftwareTypical Applications Data center device and network validation - full-box tests, throughput, latency, and optics characterization Production line testing for switches, routers, and Ethernet devices with push-button technician workflows SONiC end-to-end verification with turnkey automated test modules Switch performance benchmarking using line-rate traffic generation Link failure and device failure analysis, including RIB-IN convergence and failover testingCompatibility & Integration Modern API support enables full test automation through REST and Python interfaces. Integration with SONiC ecosystem via cEOS and PTF instances with Ansible-based orchestration.

UHD100T32 Characteristics / Specifications

PARAMETER	VALUE
Model	UHD100T32
Instrument Type	Ultra high density Ethernet test chassis
Form Factor	1U fixed chassis
Port Count	32 QSFP28 100GE
Aggregate Throughput	3.2 Tbps line rate
Speed 100ge	32 × 100 GE
Speed 50ge	64 × 50 GE
Speed 40ge	32 × 40 GE
Speed 25ge	128 × 25 GE
Speed 10ge	128 × 10 GE
Latency Resolution	1 ns
Fec Modes	RS-FEC and FC-FEC with FEC statistics
Auto Negotiation	supported
Link Training	supported
Rfc 25	line-rate 100/50/40/25/10 GE
Routing Protocols Optional	BGP OSPF ISIS
Routing Sessions Optional	up to 32
Base Software	IPv4 IPv6 Ethernet interface emulation
Statistics	per-port and per-flow
User Interface	web browser to chassis IP
Automation	REST API Browser and RESTpy
Fanout	all fanouts enabled as shipped
Use Cases	production line and data center validation

UHD100T32 Specifications

PARAMETER	VALUE
Applications	White-box production test, data-center pre/post deployment, and SONiC community testbed-in-a-box validation of 100GE devices.
Key Features	32 QSFP28 ports in 1U
Technical Specifications	Model: UHD100T32

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	UHD100T32
Instrument Type	Ultra high density Ethernet test chassis
Form Factor	1U fixed chassis
Port Count	32 QSFP28 100GE
Aggregate Throughput	3.2 Tbps line rate
Speed 100ge	32 x 100 GE
Speed 50ge	64 x 50 GE
Speed 40ge	32 x 40 GE
Speed 25ge	128 x 25 GE
Speed 10ge	128 x 10 GE
Latency Resolution	1 ns
Fec Modes	RS-FEC and FC-FEC with FEC statistics
Auto Negotiation	supported
Link Training	supported
Rfc 2544	line-rate 100/50/40/25/10 GE
Routing Protocols Optional	BGP OSPF ISIS
Routing Sessions Optional	up to 32
Base Software	IPv4 IPv6 Ethernet interface emulation
Statistics	per-port and per-flow
User Interface	web browser to chassis IP
Automation	REST API Browser and RESTpy
Fanout	all fanouts enabled as shipped
Use Cases	production line and data center validation
Notes	
From Keysight UHD100T32 QSFP28 Ultra-High-Density 32-Port Test System data sheet 7019-0482. Optional routing protocols are an add-on; base software includes RFC 2544.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.