

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

JDS UNIPHASE

JDS Uniphase MTS-5800

The JDS Uniphase MTS-5800 is a compact and versatile handheld network testing platform for Ethernet and Fibre Channel networks. It supports a wide range of testing functionalities, including BERT, RFC 2544, Y.1564, and OTDR, making it suitable for installation, maintenance, and troubleshooting of network infrastructure.



MODEL

**JDS Uniphase
MTS-5800**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MTS-5800

LISTING

<https://aumictechlabs.com/products/mts-5800-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase MTS-5800 is a field-deployable handheld network testing platform for installation, maintenance, and troubleshooting of Ethernet and Fibre Channel networks. It delivers BERT, RFC 2544, Y.1564, and OTDR testing alongside advanced Ethernet diagnostics. The unit runs Linux on a 7-inch display (1200×600 resolution) and operates via battery or AC/DC power with field-replaceable battery packs. Engineered for rugged field conditions, the MTS-5800 supports TDM/PDH to dual 10G Ethernet, layer 2 transparency testing, Ethernet OAM, SyncE, and CPRI/OBSAI emulation up to 25GE. Technical Specifications Processing & Display Operating System: Linux Display: 7-inch minimum, 1200×600 resolution with screen saver support Internal Storage: Minimum 1 GB Power & Battery Input: 19 VDC @ 150 W or 12 VDC @ 60 W maximum AC Supply: 100–240 VAC, 50/60 Hz, auto-sensing Battery Runtime: 3 hours (10G tests); 1.5 hours (single 100GE); 2 hours (dual 10G); 1 hour (dual 100GE); up to 4 hours depending on test type

Charge Time: Approximately 7 hours from empty Field-replaceable battery with built-in charger
Environmental Operating Temperature: 0°C to +40°C (dual 100GE); 0°C to +50°C (other modes)
Storage Temperature: -20°C to +60°C Operating Humidity: 10–90% non-condensing Storage
Humidity: 10–95% non-condensing Connectivity & Interfaces 2× USB 2.0 ports 1× RJ45 Ethernet
port 1× RS-232 serial port Bluetooth and WiFi (USB adapter) Analog headset jack Optical video
microscope support (autofocus capable) Remote control via Web browser (no client software
required) Key Features Bumper protection for field operations External keyboard support 8×
stacked VLAN tag support with editable SVLAN fields MAC frame sizes: 64, 128, 256, 512, 1024,
1280, 1518 bytes, user-defined, and Jumbo (up to 16,000 bytes) Y.1731 Service OAM and 802.1ag
CFM eCPRI, SyncE, and 1588/PTP up to 25GE 10/100/1000M line-rate stateful emulation Typical
Applications Ethernet and Fibre Channel network installation and commissioning Field
troubleshooting of legacy and emerging network technologies OTDR fiber characterization RFC
2544 performance validation Y.1564 service activation testing Compatibility & Integration The
MTS-5800 supports TDM/PDH to dual 10G Ethernet conversion, CPRI/OBSAI layer 1/2 emulation,
and synchronous Ethernet (SyncE) protocols. Layer 2 transparency testing, VLAN stacking (Q-in-
Q), and Ethernet OAM ensure compatibility with carrier-grade network architectures.

Features & description

From manufacturer datasheet

Features

- Dual-port including simultaneous 10G tests
- RFC 2544 and ITU-T Y.1564 SAMComplete
- RFC 6349 TrueSpeed TCP throughput
- PTP 1588v2, SyncE, 1 PPS / 2 MHz / 10 MHz wander
- Compatible with VIAVI 4100-Series OTDR, FiberComplete, COSA, P5000i, and optical power meters
- Field-replaceable battery with built-in charger

MTS5800 Characteristics / Specifications

PARAMETER	VALUE
Model	T-BERD/MTS-5800
Manufacturer	VIAVI Solutions (formerly JDSU)
Instrument Type	Handheld dual 10G network tester
Alias	MTS-5800; TB-MTS 5800; 5801, 5801P, 5802, 5802P, 5812, 5812P
Max rate class	dual 10G
Electrical ports	dual RJ45 10/100/1000 Ethernet
Optical ports	dual SFP+ ; 1 and 10G Ethernet LAN/WAN; 10GE eCPRI
SONET SDH	STM-1 to 64, OC-3 to 192
OTN	OTU1, OTU2, OTU1e, OTU2e
Fibre Channel	1/2/4/8/10/16 G FC
CPRI OBSAI	614 Mbps to 12.2 Gbps
Size max 10G	17.78 × 24.13 × 7.62 cm (7 × 9.5 × 3 in)
Weight max 10G	1.9 kg (4.2 lb)
Boot to operate	less than 2 minutes
Battery 10G test	minimum 3 hours
Operating time	2 to 5 hours depending on application
Charge time	approximately 7 hours from empty
Unit power input	12 VDC, 60 W max
Power supply input	100 to 240 VAC, 50/60 Hz auto-sensing
Power supply output	12 VDC, 5 A max
Operating temperature	0 C to +50 C all options
Storage humidity	10 to 95% non-condensing
Operating humidity	10 to 90% non-condensing
I/O interfaces	VT100 RJ-45, 2 x USB, RJ-45 Ethernet/IP, serial, optional WiFi, optional Bluetooth
SyncE frequency offset	±100 ppm in 1 or 10 ppm increments

PARAMETER	VALUE
Recovered timing accuracy	4.6 ppm
Capture buffer	256 MB per port
TCP sessions RFC 63	up to 64 stateful sessions
TCP window granularity	1 KB
Safety EMC	CE Class A; FCC part 15 Class AVibration: IEC 68-2-6 and MIL-PRF-28800F Class 2
Related 100G platform	T-BERD/MTS-5800-100G (different size, 19 VDC class)
Humidity	10 to 95% non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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TCP window granularity	1 KB
Safety EMC	CE Class A; FCC part 15 Class AVibration: IEC 68-2-6 and MIL-PRF-28800F Class 2
Related 100G platform	T-BERD/MTS-5800-100G (different size, 19 VDC class) Notes Specs from VIAVI T-BERD/MTS-5800 specifications datasheet (10G handheld). Installed interface options (Ethernet only versus full TDM/OTN/FC/CPRI) determine which protocol rows apply. Do not apply 5800-100G QSFP/CFP4 100GE rows to this 10G chassis.

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	
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I/O interfaces	VT100 RJ-45, 2 x USB, RJ-45 Ethernet/IP, serial, optional WiFi, optional Bluetooth
SyncE frequency offset	±100 ppm in 1 or 10 ppm increments

PARAMETER	VALUE
Recovered timing accuracy	4.6 ppm
Capture buffer	256 MB per port
TCP sessions RFC 6349	up to 64 stateful sessions
TCP window granularity	1 KB
Safety EMC	CE Class A; FCC part 15 Class AVibration: IEC 68-2-6 and MIL-PRF-28800F Class 2
Related 100G platform	T-BERD/MTS-5800-100G (different size, 19 VDC class)

Notes

Specs from VIAVI T-BERD/MTS-5800 specifications datasheet (10G handheld). Installed interface options (Ethernet only versus full TDM/OTN/FC/CPRI) determine which protocol rows apply. Do not apply 5800-100G QSFP/CFP4 100GE rows to this 10G chassis.

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

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