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Data Sheet

August 13, 2026

JDS UNIPHASE

JDS Uniphase T-BERD 6000A/TB6000A

JDSU T-BERD / MTS-6000A Compact Network Test Platform The T-BERD/MTS-6000A (TB6000A) is a compact modular field platform for fiber and transport testing. An 8-inch 800×600 TFT color touchscreen, interchangeable fiber or transport-and-fiber module carriers, and more than 40 physical fiber application modules plus MSAM Ethernet/SONET/SDH/OTN/Fibre Channel functions cover installation through maintenance. Optional built-in VFL, optical power meter, talk set, WiFi, Bluetooth, and a 100 GB SATA disk (required for transport applications) field-upgrade the mainframe. StrataSync cloud inventory and result management is supported. The T-BERD/MTS-6000A (TB6000A) is a compact modular field platform for fiber and transport testing. An 8-inch 800×600 TFT color touchscreen, interchangeable fiber or transport-and-fiber module carriers, and more than 40 physical fiber application modules plus MSAM Ethernet/SONET/SDH/OTN/Fibre Channel functions cover installation through maintenance. Optional built-in VFL, optical power meter, talk set, WiFi, Bluetooth, and a 100 GB SATA disk (required for transport applications) field-upgrade the mainframe. StrataSync cloud inventory and result management is supported. Bidirectional OTDR and loss test; CD/PMD/AP fiber characterization



MODEL

**JDS Uniphase
TB6000A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

TB6000A

LISTING

<https://aumictechlabs.com/products/tb6000a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase T-BERD 6000A (TB6000A) is a modular test platform engineered for network testing across installation, commissioning, maintenance, and troubleshooting phases. It supports OTN, SONET/SDH, DSn/PDH, Fibre Channel, and Ethernet technologies, spanning metro core to long-haul and FTTx deployments. The platform delivers field-ready operation through a large color touchscreen, cloud integration, and remote access capabilities.

Technical Specifications

OTN (Optical Transport Network) Line rates: 2.7 Gbps to 112 Gbps Full line rate testing of OTU4, OTU3, OTU2, OTU2e, OTU1e, and OTU1 Payload generation and analysis: bulk, SDH/SONET, or Ethernet Multiplexed payload support: ODU3, ODU2, ODU1, ODU0, ODUFlex OTN Check workflow for payload BERT, GCC BERT, and G.709-compliant round trip delay ODU-0/ODUFlex for Ethernet/IP client interfaces Layer 2 and Layer 3 SLA analysis mapped into OTN signals

SONET/SDH Line rates: 1.5 Mbps to 10 Gbps OC-3/STM-1 through OC-192/STM-64 support Framing, overhead manipulation/analysis, optical/electrical power level measurement PRBS generation, SM/PM TTI message Tx/Rx Service disruption measurements with SD separation/debounce control Signal label generation/display, frequency offset Tx/Rx, round-trip delay measurement Embedded SONET/SDH client analysis inside OTN interfaces

Ethernet Line rates: 10 Mbps to 10 Gbps (including 10GE LAN-PHY and WAN-PHY) Dual-port chassis for two parallel independent tests Layer 1-4 testing: Ethernet OAM, PBB/PBT, MPLS/VPLS, VLAN, QinQ, IP Automated RFC 2544 and Y.1564 workflows RFC 6349 TrueSpeed™ TCP end-to-end performance verification TCP/UDP layer testing support

Fibre Channel Line rates: 1, 2, 4, 8, and 10 Gbps Automated FC testing

Key Features User-friendly touchscreen interface optimized for field deployment Modular architecture supporting current and future network technologies Cloud integration and remote access for distributed teams Data management and reporting capabilities

Typical Applications Optical transport network validation, metro and long-haul deployment testing, access network commissioning, carrier service layer verification, equipment qualification across multiple protocol stacks.

Compatibility & Integration Supports OTN, SONET/SDH, DSn/PDH, Fibre Channel, and Ethernet ecosystems with direct client interface testing through embedded payload analysis.

TB6000A Characteristics / Specifications

PARAMETER	VALUE
Model	TB6000A
Manufacturer	JDS Uniphase / VIAVI Solutions
Instrument Type	Compact modular optical and transport test platform
Alias	T BERD 6000A; MTS 6000A; ETB6000AV2M; EM6000AV2M
Display	8 in TFT color touchscreen LCD 800 × 600 with high visibility option
USB Ports	2 x USB 2.0
Mini USB	1 x mini USB 2.0
LAN	RJ45 10/100/1000 Mbps
Serial Sync	1 x RS422
Bluetooth	optional built in (or E60EBLUE USB dongle)
WiFi	optional built in 802.11 b/g/n (standard on V2 ordering)
Audio	1 jack
Memory Card	1 micro SD
Internal Memory	2 GB (128 MB for storage)
Hard Disk Option	100 GB SATA (E60V2HDISK; required for transport)
Battery	removable Li ion; E60LIHP2 high power option
AC Adapter Input	100 to 240 V, 50 to 60 Hz
AC Adapter Output	19 V DC / 4.7 A
Size With Carrier	290 × 188 × 97 mm (11.5 × 7.4 × 3.8 in) with one 6100 carrier and battery
Weight Mainframe Only	2.4 kg (5.3 lb) without battery and module
Weight Typical Config	3.4 kg (7.5 lb) with fiber carrier, one module, and battery
Operating Temperature No Options	-20 C to +50 C
Operating Temperature All Options	0 C to +40 C
Storage Temperature	-20 C to +60 C
Humidity	0 to 95 percent noncondensing

PARAMETER	VALUE
Power Meter Cal Wavelengths	850, 1310, 1490, 1550, 1625 nm
Power Meter Wavelength Range	800 to 1650 nm in 1 nm increments
Power Meter Accuracy	plus/minus 0.2 dB (calibrated wavelength except 1650 nm)
Power Meter Range	+10 to -60 dBm (-45 dBm from 800 to 1650 nm class)
Power Meter Resolution	0.01 dB / 0.01 nW
Power Meter Connector	universal push/pull (UPP)
VFL Wavelength	650 nm
VFL Emission	CW or 1 Hz
VFL Laser Class	Class 2 (EN60825 1 and FDA 21 CFR 1040.10)
Talk Set Dynamic Range	45 dB
Talk Set Laser Class	Class 1
Talk Set Connector	UPP
Base Fiber Carrier P/N	ETB6000AV2M F / EM6000AV2MFB Base Transport Carrier P/N: ETB6000AV2M EF / EM6000AV2M EF
PM plus VFL Option	E80EPMVFL (2.5 mm UPP)
Talk plus PM plus VFL	E80ETSPMVFL
Spec Temperature	typical 25 C (PM after 20 min and zero)
Wavelength range	800 to 1650 nm in 1 nm increments
Operating temperature	No Options: -20 C to +50 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 C to +60 C
Operating temperature	No Options: -20 C to +50 C
Operating Temperature	No Options: -20 C to +50 C
Humidity	0 to 95 percent noncondensing
Operating Temperature No Options	-20 C to +50 C
Operating Temperature All Options	0 C to +40 C
Power Meter Cal Wavelengths	850, 1310, 1490, 1550, 1625 nm
Power Meter Wavelength Range	800 to 1650 nm in 1 nm increments
Power Meter Accuracy	plus/minus 0.2 dB (calibrated wavelength except 1650 nm)
Power Meter Range	+10 to -60 dBm (-45 dBm from 800 to 1650 nm class)
Power Meter Resolution	0.01 dB / 0.01 nW
Power Meter Connector	universal push/pull (UPP)
VFL Wavelength	650 nm
VFL Emission	CW or 1 Hz
VFL Laser Class	Class 2 (EN60825 1 and FDA 21 CFR 1040.10)
Talk Set Dynamic Range	45 dB
Talk Set Laser Class	Class 1
Talk Set Connector	UPP
Base Fiber Carrier P/N	ETB6000AV2M F / EM6000AV2MFB Base Transport Carrier P/N: ETB6000AV2M EF / EM6000AV2M EF
PM plus VFL Option	E80EPMVFL (2.5 mm UPP)
Talk plus PM plus VFL	E80ETSPMVFL
Spec Temperature	typical 25 C (PM after 20 min and zero) Notes Platform rows from VIAVI T-BERD/MTS-6000A (V2) compact network test platform data sheet. Application-module rates (OTDR, MSAM, OSA) are module-dependent and are not copied here. Confirm V1 vs V2 carrier, hard-disk option for transport, and installed optical connector type.

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	TB6000A
Manufacturer	JDS Uniphase / VIAVI Solutions
Instrument Type	Compact modular optical and transport test platform
Alias	T BERD 6000A; MTS 6000A; ETB6000AV2M; EM6000AV2M
Display	8 in TFT color touchscreen LCD 800 x 600 with high visibility option
USB Ports	2 x USB 2.0
Mini USB	1 x mini USB 2.0
LAN	RJ45 10/100/1000 Mbps
Serial Sync	1 x RS422
Bluetooth	optional built in (or E60EBLUE USB dongle)
WiFi	optional built in 802.11 b/g/n (standard on V2 ordering)
Audio	1 jack
Memory Card	1 micro SD
Internal Memory	2 GB (128 MB for storage)
Hard Disk Option	100 GB SATA (E60V2HDISK; required for transport)
Battery	removable Li ion; E60LIHP2 high power option
AC Adapter Input	100 to 240 V, 50 to 60 Hz
AC Adapter Output	19 V DC / 4.7 A
Size With Carrier	290 x 188 x 97 mm (11.5 x 7.4 x 3.8 in) with one 6100 carrier and battery
Weight Mainframe Only	2.4 kg (5.3 lb) without battery and module
Weight Typical Config	3.4 kg (7.5 lb) with fiber carrier, one module, and battery
Operating Temperature No Options	-20 C to +50 C
Operating Temperature All Options	0 C to +40 C
Storage Temperature	-20 C to +60 C
Humidity	0 to 95 percent noncondensing

PARAMETER	VALUE
Power Meter Cal Wavelengths	850, 1310, 1490, 1550, 1625 nm
Power Meter Wavelength Range	800 to 1650 nm in 1 nm increments
Power Meter Accuracy	plus/minus 0.2 dB (calibrated wavelength except 1650 nm)
Power Meter Range	+10 to -60 dBm (-45 dBm from 800 to 1650 nm class)
Power Meter Resolution	0.01 dB / 0.01 nW
Power Meter Connector	universal push/pull (UPP)
VFL Wavelength	650 nm
VFL Emission	CW or 1 Hz
VFL Laser Class	Class 2 (EN60825 1 and FDA 21 CFR 1040.10)
Talk Set Dynamic Range	45 dB
Talk Set Laser Class	Class 1
Talk Set Connector	UPP
Base Fiber Carrier P/N	ETB6000AV2M F / EM6000AV2MFB Base Transport Carrier P/N: ETB6000AV2M EF / EM6000AV2M EF
PM plus VFL Option	E80EPMVFL (2.5 mm UPP)
Talk plus PM plus VFL	E80ETSPMVFL
Spec Temperature	typical 25 C (PM after 20 min and zero)

Notes

Platform rows from VIAVI T-BERD/MTS-6000A (V2) compact network test platform data sheet. Application-module rates (OTDR, MSAM, OSA) are module-dependent and are not copied here. Confirm V1 vs V2 carrier, hard-disk option for transport, and installed optical connector type.

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.