

JDSU

T-Berd 8000

The JDSU T-Berd 8000 (also known as the MTS-8000) is a highly modular, rugged optical test platform designed for field testing of telecommunications networks. It accommodates a wide range of test modules for OTDR, PMD/CD, OSA, and transport layer testing. Below are the detailed platform specifications for this mainframe.

SPECIFICATIONS

General

Interfaces	RJ-45 Ethernet, USB 2.0 (Host and Device), RS-232, VGA, PCMCIA Slot
Display	10.4-inch TFT color touchscreen, 800 x 600 SVGA

Physical

Power Supply	100 to 240 V AC, 50 to 60 Hz, or rechargeable Li-ion battery
Operating Temperature	0 to +40 °C °C
Dimensions (W×H×D)	320 x 250 x 125 mm mm
Weight	3.4 kg kg
Form Factor	Modular Portable Mainframe
Width	320 mm
Height	250 mm
Depth	125 mm
Weight (with Battery)	3.4 kg

Power Specifications

Power Input	100 to 240 V AC, 50 to 60 Hz
Battery Type	Rechargeable Lithium-Ion (Li-ion)

Display & User Interface

Display Size	10.4 in
Display Type	TFT color touchscreen
Display Resolution	800 x 600 SVGA

Connectivity & Interfaces

Ethernet Port	1x RJ-45, 10/100 Mbps Ethernet
USB Host Ports	2x USB 2.0
USB Client Port	1x USB 2.0
Serial Port	1x RS-232
External Video Output	1x VGA (15-pin D-sub)
Expansion Slot	1x PCMCIA Type II
Audio Interfaces	Built-in speaker and microphone/headset jacks

System & Architecture

Number of Module Slots	2 slots
------------------------	---------

Environmental & Compliance

Storage Temperature	-20 to +60 °C
Relative Humidity	95% non-condensing
Shock and Vibration Resistance	Bellcore GR-196-CORE compliant

System & Processing

Operating System	Linux
------------------	-------

Storage

Internal Storage Capacity	1000 trace results (minimum)
---------------------------	------------------------------

Safety & Compliance

Laser Safety	Class 1 (21CFR1040.10 and IEC 60825-1)
--------------	--

Measurement Features

Optional Built-In Optical Power Meter	Wavelength range 800 nm to 1650 nm
Optional Built-In Visual Fault Locator (VFL)	635 nm, Class 2

Expandability & Modules

Supported Module Types	OTDR, PMD, CD, DWDM, OSA, Spectral Attenuation
------------------------	--

Optional Built-In Optical Power Meter

Optical Power Meter Wavelength Range	800 nm to 1650 nm
Optical Power Meter Power Range	-50 to +10 dBm (up to +26 dBm with high-power option)
Optical Power Meter Accuracy	±0.2 dB

Optional Built-In Visual Fault Locator

VFL Wavelength	635 nm ±15 nm
VFL Output Power	< 1 mW (Class 2)
VFL Operating Modes	CW, 1 Hz

Optional Built-In Optical Talkset

Talkset Wavelength	1310 nm or 1550 nm
Talkset Dynamic Range	> 45 dB

Storage & Expansion

Expansion Card Slots	1 x CompactFlash (CF) slot
----------------------	----------------------------

Software & Features

Remote Control	Via Ethernet (VNC, Web browser, SCPI commands)
File Formats	Telcordia GR-196-CORE OTDR (.sor), PDF, HTML, TXT, CSV

TECHNOLOGY

Modular Optical Test Platform

APPLICATIONS

Fiber optic characterization, OTDR, PMD/CD, and OSA network testing

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.