



## Introducing the JDSU T-BERD®/MTS-4000 Infineon Module and Dr. DSL® Software Option

### Maximize DSL Testing with Powerful New Options

Field technicians using the T-BERD/MTS-4000 can capitalize on an advanced set of test functionality: a very high speed digital subscriber line (VDSL) module using an Infineon Technologies chipset and a licensed option for Dr. DSL diagnostic solutions from Aware, Inc. Both features provide additional testing power for field technicians who install and maintain access networks and high bit-rate triple-play services, including high definition television (HDTV) and Internet Protocol television (IPTV).

#### Optional Features

##### Infineon VDSL Module

- Provides interoperability with Ikanos, Accelity, and Broadcom VDSL2 chipsets
- Provides backward interoperability with ADSL2+
- Thoroughly qualifies VDSL2 access service: attenuation, noise margin, bits per tone, actual bit rate, maximum bit rate, percent capacity, and estimated loop length
- Data layer test options: PPPoE, PPPoA, IPoA, FTP throughput, and Web browser
- Test modes: Terminate, Through, and Terminal Equipment (TE)
- Available as Copper Module to provide copper testing capabilities of up to 30 MHz

##### Dr. DSL

- Adds copper testing capability to fiber-based T-BERD/MTS-4000 modules
- Includes Rate Reduction Expert, which estimates the data rate improvement once condition is repaired

# JDSU T-BERD/MTS-4000

## Infinion Module and Dr. DSL Software Option

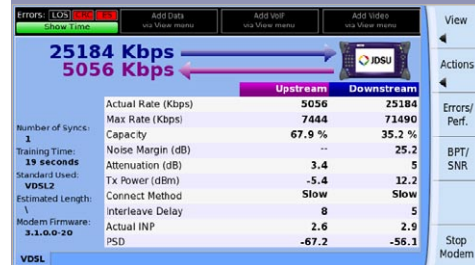
Using the Infineon VDSL Module, technicians can test across VDSL and asynchronous digital subscriber lines (ADSL/ADSL2+), including Infineon and Broadcom VDSL 2 chipsets. The T-BERD/MTS-4000 Dr. DSL option enables technicians to perform far-end and in-home physical layer loop diagnostics, DSL access multiplexer (DSLAM), and customer premises modem emulation, asynchronous transfer mode (ATM) layer testing, and end-to-end IP connectivity.

### Dr. DSL Test Options

- Dr. DSL Core adds limited copper functionality to a T-BERD/MTS-4000 without a Copper Module. Technicians can now measure loop length, presence of bridged taps, DSL statistics, and 300 kHz attenuation (insertion loss) with their non-copper T-BERD/MTS-4000.
- Dr. DSL OSP Expert adds additional copper functionality to a T-BERD/MTS-4000 without a Copper Module. Dr. DSL OSP Expert lets technicians measure loop length, detect bridged taps, perform spectral analysis to 2.2 MHz, and measure external noise.
- Dr. DSL Rate Reduction Expert lets users determine whether ADSL/VDSL service can be improved, and by how much, with noise improvement, bridged tap removal, determination of the data rate impact of crosstalk, and AM ingress.



The JDSU T-BERD/MTS-4000 is the industry's first combined fiber, copper, and triple-play tester.



VDSL test interface



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