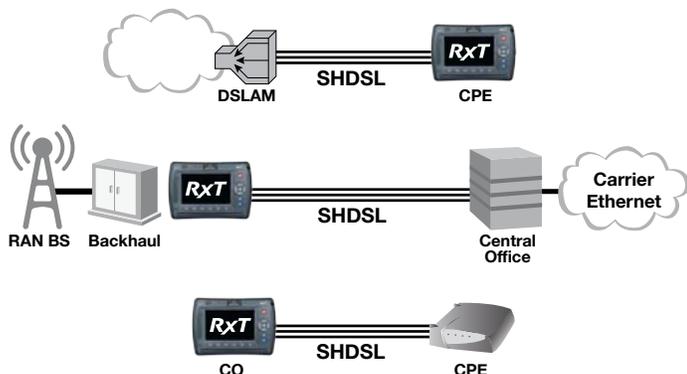The SHDSL.bis Module for the RxT Platform addresses key test requirements for business class services and mobile backhaul deployed over an SHDSL access network. Both standard ITU-T G.991.2 and enhanced SHDSL.bis data rates are supported for one to four copper pairs.

Also supported is SHDSL/EFM mode, which provides Ethernet based services, offering higher data rates and superior reach over legacy E1/T1 based services.

Key Features

- CPE Emulation for standard SHDSL and SHDSL.bis
- Extended SHDSL.bis line rates: Symmetrical 5.7 Mbps per pair
- Key DSL metrics including Data Rate, SNR Margin and line errors.
- Single pair mode for EFM and ATM
- Legacy 4-Wire SHDSL/ATM Standard and Enahnced Modes
- EFM Bonding up to Four Pairs (up to 22.8 Mbps for 4 Pairs)
- IP Data services testing at both 10/100 Ethernet and DSL test interfaces.
- CO Emulation for line pre-qualification tests using real SHDSL signals
- Supported on the new RxT Smart Productivity Test Platform
- realACCESS™ provides native remote access from any web enabled portable device, including smart phones and tablets
- realGATE™ integration for workflow optimization and asset management

Applications

SHDSL Standards

ITU-T G.991.2 SHDSL Annex B (Europe), Annex A (North America) and ETSI TS 101 524

SHDSL.bis: Extended Data Rate support per Annex G (Europe) and Annex F (North America)

Line Codes: 16-TCPAM and 32-TCPAM

Modes: STU-R CPE and STU-C CO

SHDSL/EFM per IEEE 802.3ah, with EFM pair bonding up to 4 Pairs (8-Wire) per ITU G.998.2

Legacy SHDSL/ATM 4-Wire Standard and Enhanced Modes

DSL Features

Line Rate and Data Rate
SNR Margin
Attenuation
Transmit Power
Raw SNR
CRC, ES, SES, UAS
SHDSL System Loopbacks
Alarms Threshold
Event Tracer

IP Data SW Suite Features (optional)

DSL and 10/100 Ethernet Interface Terminate Mode
IP Data Pass Through Mode: DSL to LAN
PING Statistics
    Sent, Received, Loss Rate, Round Trip Delay
Trace Route

Test Ports

DSL Interface: Four RJ-45 ports for Pairs 1, 2, 3, 4
Ethernet Interface: RJ-45

Additional capabilities to be announced.

Other Features

realACCESS™ Enabled

RxT's remote web access option allows users to drive all RxT SHDSL.bis testing capability from a remote location, using any computing device (including PCs, tablets and smart phones) with an industry standard web browser
Requires RXT1000SW-REM option.

Multiple User Profiles

Multiple test configuration profiles may be saved directly on the test module or on a secured centralized server via realGATE
Test profiles are saved and loaded with the press of a button
Profiles can be shared across multiple RxT SHDSL.bis units for efficient and unform configuration and operation

Results and Reports

Test results are saved on the test module for easy retrieval, portability, sharing, and post-analysis.

Results can also be stored on and accessed from centralized secured servers, via realGATE

Test reports can be saved in PDF format for easy retrieval, sharing, and analysis of data. Upload and download test results from realGATE™

Workflow Optimization

When paired with the realGATE™ Workflow Optimization System, a comprehensive web-based system for managing assets and test results while optimizing workflow, the RxT offers an integrated and secure connection to the back office system, maximizing test consistency and supporting increased productivity.

- Upload, download, and view test records
- Upload, download, and distribute test profiles
- Track workflow & productivity
- Data mining & report generation
- Monitor usage
- Manage assets

realGATE helps quickly diagnose area-wide issues, not just local impairments, enabling telecom, cable, and mobile operators and contractors to get the most out of installation, maintenance and service verification, proactively reducing down time. This productivity tool combination provides the ability to download test configurations, which ensures the job is performed consistently and gets done right the first time, eliminating repeat service calls.

With RxT and realGATE, supervisors and regional managers have streamlined activity reporting, and the powerful ability to track performance metrics in real-time, optimizing the workflow.

Product Description

Mechanical

Module Size: 208 W x 152 L x D 30 mm
          8.2 W × 6.0 L × 1.2 H inches
Module Weight: 0.68 kg (1.5 lbs)

Environmental

Operating Temperature: 0˚ to 50˚C (32˚ to 122˚F)

Storage Temperature: -20˚ to 70˚C (-4˚ to 158˚F)

Humidity : 5% to 90% non-condensing

Ordering Information

RXT2600 . . . . RxT Platform with RxT SHDSL.bis Test Toolkit. Includes four SHDSL test ports. One test port is enabled, supporting 1-Pair (2-Wire) mode. Supports standard SHDSL and SHDSL.bis. Includes: RxT Platform (RXT1000A-GW), RxT SHDSL.bis Module (RXT260X), stylus (SA142), hand and shoulder straps, Li-ion battery pack (SA991), AC/DC charger (SA1580), soft carrying case (SA605), calibration statement, and one year basic warranty.

RXT2600-W1 . . . . . RxT SHDSL.bis Test Set Standard Basic 1-Year Warranty

RXT2600-EW1 . . . RxT SHDSL.bis Test Set Warranty Extension: 1 Additional Year.

RXT2600-EW2 . . . RxT SHDSL.bis Test Set Warranty Extension: 2 Additional Years.

Software Options

RXT2600SW-4W . . Enables 2nd SHDSL test port to support 2-Pair (4-Wire) mode.

RXT2600SW-8W . . Enables 3rd and 4th SHDSL test ports to support up to 4-Pair (8-Wire) mode.

RXT2600SW-CO . Enables CO Emulation (STU-C) mode.

RXT2600SW-DATA . Enables IP DATA SW Suite for PING, TRACE ROUTE and Pass Through capabilities

Recommended Cables

SS167 . . . . RJ45 to RJ45

SS161 . . . . RJ45 to two Large Alligator clips and one ground clip

SA261 . . . . RJ45 to two small alligator clips

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