RTU-340

erat

Dual 10G Test Module

The RTU-340 hardware option for the RTU-300+ standalone platform offers a full-featured centralized test solution for Ethernet, OTN, SONET/SDH, PDH/DSn, Fibre Channel and CPRI/OBSAI. This factory-installed hardware option allows flexibility to fit any application, such as the addition of a second RTU-340 or 100G (RTU-600x) to be installed concurrently in the same test platform

MODULE HIGHLIGHTS

OTN/SDH/SONET/PDH/DSn
- Advanced flexible OTN, SDH/SONET, PDH/DSn test payload map/mux, including EoOTN support (ODU0 and ODUflex)
- Overhead Monitoring and byte decoding
- Automatic Protection Switching and Service Disruption
- Round Trip Delay on all interfaces and payload mappings
- Tandem Connection Monitoring
- Jitter and Wander (E1, E3, DS1, DS3, STM-1o, OC-3)
- Non-intrusive Pulse Mask Analysis at E1, E3 and DS1, DS3 rates

Fibre Channel
- Storage Area Networks (SAN) testing
- BERT and Throughput test
- RFC2544: Throughput, latency, frame loss, back to back tests
- Layer 1 and layer 2 loopbacks

Ethernet
- RFC2544 Throughput, latency, frame loss and back to back tests
- V-SAM test suite compliant with ITU-T Y.1564 standard
- IEEE 802.3ah, ITU-T Y.1731, IEEE 802.1ag, MPLS-TP OAM support
- Q in Q (VLAN stacking), MPLS, MPLS-TP, PBB support
- RFC6349 V-PERF TCP test suite
- Layer 2 Control Protocol Transparency test
- In-service monitoring with frames capture and on-screen protocol decode
- Fully integrated solution for synchronized packet network
- Supports IEEE 1588v2/PTP and SyncE/ITU-T G.8261 standards
- Master Clock and Slave clock emulation
- IEEE 1588v2/PTP protocol monitor & decode, and PDV analysis
- Wander measurement and MTIE/TDEV analysis
- ESMC SSM generation, monitoring, and decoding

CPRI/OBSAI Testing
- CPRI: Unframed, Layer 1 Framed and Layer 2 tests (REC/BBU and RE/RRH emulation)
- OBSAI: Unframed tests
- BER testing with PRBS stress patterns