

SUNRISE TELECOM

E1 Module

SSMTT-27/SSMTT-27L

Data Sheet



The E1 Module is part of a family of plug-In modules for the SunSet MTT® and xDSL test sets

The SSMTT-27 E1 Module, part of the SunSet Modular Test Toolkit (MTT) family of products, is a rugged, battery-operated handheld test solution designed to assist field technicians with new link installation, routine maintenance, and troubleshooting problems in the E1 network. The E1 interface defined by ITU has been widely deployed and has become a dominant part of the digital telecommunication network in various applications including Cellular, Access, Switching, and Data networks. The E1 module comes with two versions, Dual E1 and Single E1 to fit your testing requirements. Both out-of-service and in-service testing can be performed with this module.

FEATURES

- Dual E1 BER testing (Dual E1 module)
- 75Ω unbalanced or 120Ω balanced connectors
- ITU-T G.821, G.826, M.2100 measurement
- Pulse mask analysis
- Histogram analysis
- Propagation delay
- View received data/FAS/MFAS words
- Error injection/alarm generation
- Level and frequency measurements
- Send frame word including Sa bit
- VF analysis: Send/measure test tones, noise filters, digit capture & analysis, and CAS analysis
- Jitter measurement, jitter transfer and tolerance testing
- Wander measurement
- GSM
- GPRS
- Frame relay

- ISDN PRI
- V5.1/5.2
- MFC-R2
- DTMF
- Signaling System No. 5 (SS5)

BENEFITS

- Lightweight
- Flexible modular design
- Eliminates the need for multiple instruments
- Complete solution for Installation & Maintenance (I&M) of E1 services
- Leverages existing MTT platform
- Cost-effective and future-proof
- Supports various applications on E1 with over 20 software options that can be easily upgraded in the field
- Enables service providers and operators to turn-up and troubleshoot E1 network

APPLICATIONS

Frame Relay

- LMI analysis
- Fox test (CIR verification)
- Ping test
- Statistic analysis
- Support UNI and NNI interfaces

GSM/GPRS

- Bidirectional channel monitoring at Abis and A interface
- Voice decode of full rate, enhanced full rate, half rate speech
- GSM protocol analysis at Abis interface
- TRAU testing (speech generation)
- GPRS statistic analysis at Abis and Gb interfaces

ISDN Primary Rate

- Call emulation (speech/data)
- Detailed protocol analysis (ETSI, AUSSI, DASS2, DPNSS, Q.SIG)
- Auto supplementary service test
- Sequential call

V5.x

- Support V5.1 and V5.2
- Protocol analysis on all 3 timeslots simultaneously
- Statistic analysis (bidirectional)

MFC-R2, DTMF, SS5, Pulse

- Call analysis (bidirectional)
- Call emulation (ITU, user defined)

