

# SUNRISE TELECOM® VoIP Test Suite

Option for the SunSet MTT

**Data Sheet**

**VoIP Test Suite  
option—for use with  
plug-in modules for  
the SunSet MTT  
test set.**



Sunrise Telecom's VoIP Test Suite option is the ideal VoIP test solution for triple play deployments. It allows service providers to quickly verify and ensure that service is properly delivered to their customers. The feature also provides key measurements necessary for troubleshooting and fault localization.

## KEY FEATURES

- Emulates IP phone, supports talk and listen with the MTT's built-in microphone and speaker
- Provides VoIP call traffic analysis
- Supports signaling message logging and decoding
- Measures voice quality on VoIP calls, calculates MOS and R-factor values
- Combines DSL/VoIP into a single package
- Works together with IPTV Test Suite to provide a Triple Play solution

## SPECIFICATIONS

### Supported Modules

The VoIP Test Suite option is supported by the MTT-44A-TP and MTT-19A-TP modules.

### Network Interface and IP Support

10Base-T, 100Base-T, and auto-sense 10/100Base-T Ethernet  
Automatic link status reporting  
Static IP or auto-IP address through DHCP  
DHCP Client and DNS Client support

### Signaling Protocols

H.323

H.323 version 4: Supports Fast Connect  
Supports RAS with H.323 Gatekeeper

SIP

SIP, UAC, and UAS  
SDP support in session negotiation

CODEC

G.711  $\mu$ law and Alaw  
G.729A  
G.723.1

IP Phone Simulation Testing

Supports H.323 IP phone simulation through a Gatekeeper or directly to a H.323 phone by IP address

Supports SIP IP phone simulation through a Proxy server or directly to a SIP phone by IP address  
DTMF 0-9, #  
Speed dial feature enables one-key dialing

### VoIP Call Analysis

Call setup and tear-down messages decoding  
Receive and transmit voice packet counts, call statistics with jitter, drop, loss, replay, DTMF, and silent packet counts

### Voice Quality Measurement

Monitors voice packet impairment factors  
Reports voice quality MOS in a call

## ORDERING INFORMATION

### MTT-44A-TP

SSMTT-44A-TP      Conexant ADSL2+ ATU-R with Triple Play Hardware  
[Includes Basic Ping Testing and Pass Through Modem Emulation without Statistics. Supports IPTV and VoIP Software Options. IPTV and VoIP Software options must be ordered separately.]

SWMTT-44AVOIP      VoIP Software Option for SSMTT-44A-TP Module. [Requires SSMTT-44A-TP].

### MTT-19A-TP

SSMTT-19A-TP      TI ADSL2+ ATU-R with Triple Play Hardware  
[Includes Basic Ping Testing and Pass through Modem Emulation without Statistics. Supports IPTV and VoIP Software Options. IPTV and VoIP Software options must be ordered separately.]

SWMTT-19AVOIP      VoIP Software Option for SSMTT-19A-TP Module. [Requires SSMTT-19A-TP].

