Model AM3-QoS

2-Wire Responder

A cost effective solution for Quality of Service testing from a central test point.

Ameritec

Ameritec Corporation is an ISO 9001:2000 Certified Company

General Description

The Ameritec Model AM3-QoS 2-wire responder provides users the capability of centrally testing their network for Quality of Service metrics. Calls are originated from a central point and answered automatically by each AM3-QoS. Each unit runs through a sequence of pre-programmed test scripts that are synchronized with the host site and measurements that include GMOS, G-PESQ, G-PSQM, R-Factor, jitter, delay, etc. are made and displayed.

Application

A cable telephony company is now introducing triple-play services that include voice telephony. In an effort to verify Quality of Service metrics provided to their customers, the cable operator places an Ameritec Fortissimo NLG-A analog call generator at a central location and multiple 2-wire AM3-QoS responders at remote locations. These remote locations could be customer locations or possibly employee homes. Calls are placed from the central location and answered automatically by the AM3-QoS responder unit. The responder unit runs through a sequence of scripts and all results are captured at the central Fortissimo unit and displayed via the Conductor GUI. Test calls can be placed continuously or at preset times by utilizing the test scheduler function within the Conductor platform.

General Responder Information

- 2-Wire Responders allow for telephony testing without the need of dispatching a person and expensive test equipment to the other end of the network.

- Responders may be either temporarily or permanently placed in a network.

- Responders may be used in unmanned or inaccessible locations.

AM3-QoS

The AM3-QoS Responder is a 2-wire responder. It is activated upon the detection of a ring signal whereby it will immediately run a sequence of pre-programmed QoS scripts. The central test location will typically be an Ameritec Fortissimo product.

The following test measurements are made at the Fortissimo unit:

- GMOS
- G-PESQ
- G-PSQM
- R-Factor
- Jitter
- Delay

AM3-QoS Technical Specifications

Impedance
600 ohm standard inpedance
Complex impedance may be obtained on request to Ameritec.

Frequency Accuracy
1% +/- 10Hz

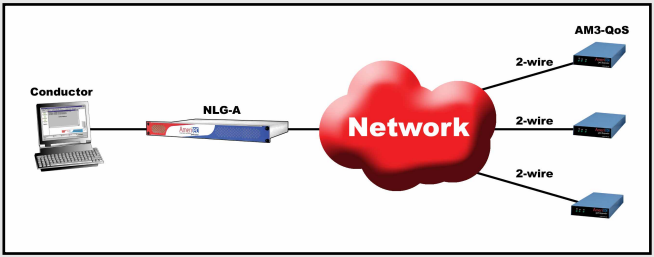
Level Measurement Range
0 to -24.0dBm

Power
9VDC, 300mA (wall transformer supplied with unit)

Dimensions
5.1”W x 1.4”H x 8.9”L

Weight
Net: 1.5lbs.
Shipping: 2.5lbs. (with transformer)

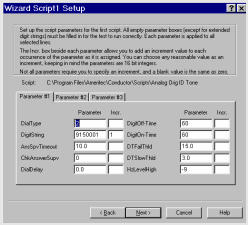
Regulatory Requirements
The AM3-QoS is RoHS compliant
The AM3-QoS may be CE approved on request to Ameritec.

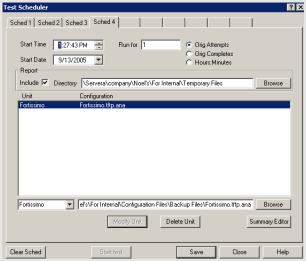


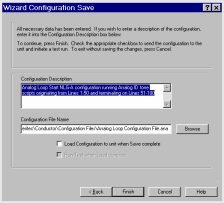
Typical 2 Wire Responder Application

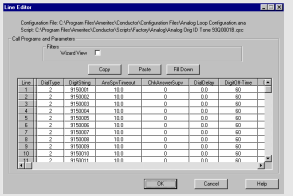
Conductor™ User Interface

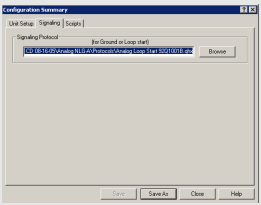
Each user has the ability to control multiple analog as well as DS3 or OC3/STM-1 units simultaneously via the Conductor GUI. This interface provides an intuitive wizard feature that allows the casual user to quickly configure large traffic runs or detailed summary screens for the power user that wishes to adjust specific call parameters.
Although the Fortissimo is designed for analog DS3 and OC3 traffic, the Conductor GUI provides the ability to configure each and every DS0/line to truly simulate unique traffic conditions. Every parameter contained within the originating and terminating call can be modified via the DS0/line Editor screen.
Statistical reporting and display of results have never been easier to set up in a call generator product. Custom reports are configured by selecting the appropriate parameters and menu buttons allowing the user to select the order in which the results are displayed.
Results are displayed in real-time and allow the user to view errored conditions, call statistics and histogram of selected parameters.

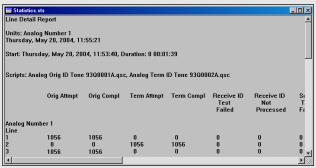


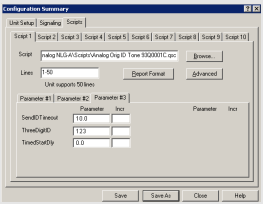


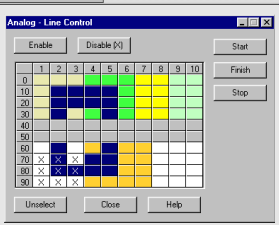












Ameritec Corporation

Ameritec has been an industry leader and pioneer in the field of network call generation since 1980. We have call generation products that address various network interfaces, applications and call volume requirements that include Analog. Primary rate ISDN, SS7, SIP, DS3, OC3, STM-1 Channel Associated and Signaling interfaces. The company offers sales and support throughout the world and prides itself on providing the most comprehensive suite of testing functionality found on any call generation product.

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