AEM networks Future Smart.



Network Service Assistant

Multifunction Qualification+ Tester

Bridging the Divide between Qualification and Certification

The award winning Network Service Assistant (NSA) Multifunction Qualification+ Tester, is a hybrid solution, that features Certi-Lite technology. Certi-Lite follows the ANSI/TIA 1152-A single-ended testing for many of the same parameters used in bi-directional certification but offered at a fraction of the price of a traditional certifier. Single-ended testing does not qualify for cable manufacturer warranty approval, but for those that do not require the warranty, and simply desire a deeper level of cable testing beyond just a simple wiremap, NSA's is the first test solution to offer Certi-Lite.

NSA is used by System Integrators, Cable Contractors and IT departments who need a deeper level of cable testing along with wired and wireless network connectivity testing.

HIGH LEVEL TESTING SUPPORT SUMMARY

NSA includes TestDataPro results management software for documenting and reporting all your testing results. Available .pdf reports:

Certi-Lite

Certi-Lite provides single-ended ANSI/TIA-1152-A complaint channel testing of CAT5e – CAT6A with a clear Pass/Fail indication, and in-depth test report.

Optical Loss and OTDR

The NSA supports Loopback optical loss testing for Singlemode and Multimode, as well as simultaneously testing voltage on the electrical conductors if using hybrid powered fiber. The OTDR adapters provide technicians the ability to easily pinpoint the location of broken fiber or other loss events causing an optical loss test to fail.

Power Over Ethernet (PoE)

Comprehensive test function verifies PoE configuration at PSE and reports current/wattage/voltage at PD jack. Emulates PD negation with PSE and supports for 802.3af/at/bt, and UPoE. Sustained load testing with external load box that can "dial-up" power.

Multi-Gigabit Link Speed

Validate cabling link speeds for 1/2.5/5/10GBASE-T. End-to-end Signal to Noise Ratio (SNR) measurement provides a quick and objective assessment of link performance under simultaneous traffic and PoE load condition.

Wired Network Connectivity Testing

Network discovery shows all connected devices including drill down into device details. Switch detail includes slot/port/VLAN. switch name, make/model, port capabilities and MAC/IPv4/IPv6 and VLAN usage detail. Network discovery reveals connected devices with drill in capability for further investigation and troubleshooting. Troubleshooting kit includes Traceroute, ping, tone generator and more.

Wireless Network Connectivity Testing

Discover all Access Points (APs), their SSID, RSSI (received power level) and Channel. Login to the AP to verify connectivity. Roaming signal strength handy for locating those pesky dead zone. Troubleshooting toolkit includes Traceroute, Ping and more.

Advanced Link Identification (ALI)

AEM takes link identification to the next level with Certi-Lite capable numbered remote IDs. Unlike your typical "dumb" remote ID's that simply tell if you have connected to number 1,2,3 and so on, AEM remote ID's are smart, and are capable of supporting Certi-Lite.

SCAN QR CODE
NSA Brochure

SCAN QR CODE
NSA Product Kit Selection Guide

Visit **aemnetworks.com/nsa** for more information