VoIP Solution

Communications Test & Measurement Solutions

When put to the test, will your VoIP service match PSTN quality?

Customers expect near-flawless quality of their VoIP service, but achieving this level of quality is not easy. From turn-up to trouble-shooting and maintenance, delivering high-quality VoIP requires accurate assessment and planning, solid execution and analysis, and a coordinated testing and monitoring program.

Viavi offers an integrated approach to VoIP installation, turn-up, troubleshooting, and maintenance

A true measure of complete VoIP service assurance, Viavi's VoIP Solution is on target from the beginning to the end. Comprised of purpose-built, bundled sets of handheld test instruments, systems, and software, Viavi's VoIP Solution offers the only integrated approach that is coordinated to each stage of VoIP service delivery. In addition to providing the ability to see and hear how your VoIP service is performing, Viavi's VoIP Solution components can anticipate and prevent problems even before they occur. This eliminates expensive backtracking and troubleshooting to find out the source of the problem when VoIP service is unnreliable, unavailable, or intermitently poor.
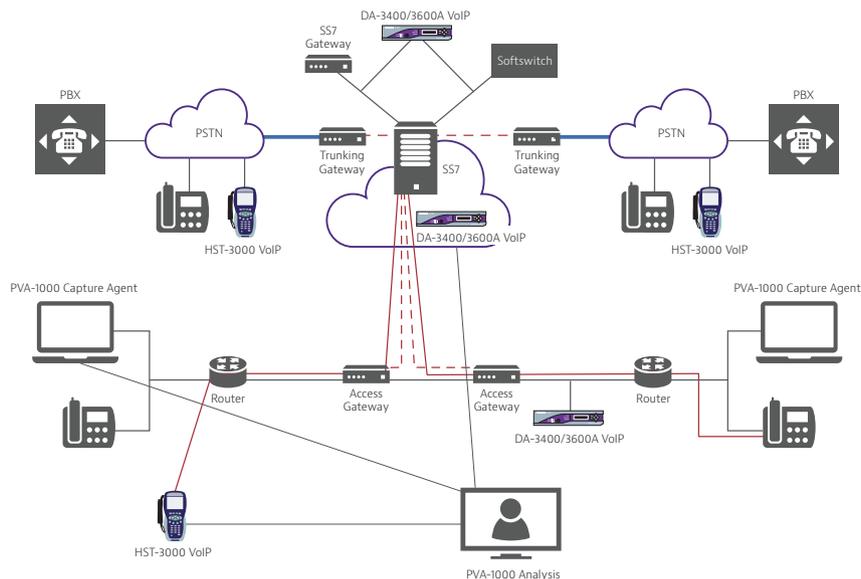
More than just talk, Viavi's VoIP Solution gives service providers and system integrators the complete picture

Recognizing that a fragmented approach is no longer effective in today's packet world, Viavi's VoIP Solution components are synchronized to the processes, methods, and procedures involved in the installation, delivery, and monitoring of VoIP services. This synchronization allows for an effective economical deployment of VoIP services.

Network qualifications, installation, and turn-up

HST-3000 – A vital element in helping service providers ensure VoIP service quality, the powerful, and automated HST-3000 handheld tester verifies that the infrastructure can support packet-based technology and validates that all specifications are met before and after turn-up.

DA-3400/DA-3600A – Before installing VoIP onto an existing IP network, detailed analysis of the existing traffic is required. Using the dA-3400 or the DA-3600A, users can perform the detailed, long-term analysis that is required to identify any necessary changes before deploying VoIP.

Troubleshooting, monitoring, and maintenance

HST-3000 – A field tool for level one data and non-data technicians, the HST-3000's advanced test and monitoring functions allow technicians to identify and listen to how their service is performing from the customer's point-of-view by sending and receiving VoIP calls in real time and by performing packet analysis and voice quality measurements.

DA-3400/DA-3600A – VoIP call quality undergoes rapid changes as bandwidth demands vary. The DA-3400/DA-3600A serves as the point guard, helping you achieve true end-to-end IP transport interactions and sectionalize problems with Expert analysis and alerting, the DA-3400/DA-3600A ensures that your network is always performing as expected to keep customer satisfaction high.

PVA-1000 – With PVA-1000 software, support engineers can quickly perform detailed analysis and troubleshooting of VoIP telephone calls. Designed to fuction alone or in concert with the DA-3400/DA-3600A and HST-3000, PVA-1000 software is a cost-effective tool for troubleshooting both VoIP issues and combined Voice and Data applications. Features, including file capture, audio playback, jitter/packet loss analysis, and protocol decoding for signaling and media, provide support engineers with the ability to quickly characterize problems and identify their sources, to ensure accurate re-creation of the customer experience, to view details of a signaling message exchange, and to eliminate dispatches to the end-user's site.