

Need Help Streamlining Your Vector Network Analyzer (VNA) Test System?

Turn to a specialized team of experts to design a customizable, expandable, and compact test solution.

Dramatically Reduce Your Size of Test

The high-performance P500xA / P502xA Streamline USB VNA platform offers compact two, four, or six-port options with frequency coverage up to 53 GHz. A wide range of measurement applications includes full 2-port S-parameters, spectrum analysis, noise figure, pulsed-RF, and a rich portfolio of software applications for the complete characterization of your device. You can have confidence in getting consistent measurement results with the same calibration and measurement science deployed across Keysight's benchtop, modular, and USB VNA platforms.



The Integrated VNA and Signal Routing Platform



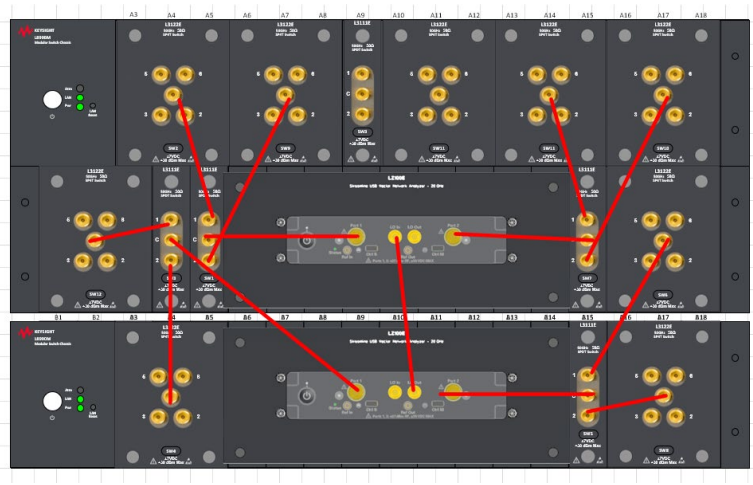
Our specialized team of experts developed the Modular VNA and Signal Routing Platform based on the P500xA / P502xA Streamline USB Vector Network Analyzer.

Keysight's L8990M Modular Signal Routing Solution provides a simple and flexible platform for RF signal routing and monitoring. The L8990M can support up to 64 switch channels in a 2U rack-mountable enclosure with signal frequencies up to 67 GHz. It can support up to 96 switch channels in a 4U high enclosure. This provides the capability to route signals for testing a wide range of RF and telecommunication products and devices.

The modular signal routing platform can support RF components such as switches, couplers, and programmable attenuators up to 53 GHz, with available flexible or custom semi-rigid cabling.

By mounting a Streamline USB VNA into Keysight's L8990M Modular Signal Routing chassis, a very powerful combination can be achieved in a single benchtop or rack-mountable solution and a wide variety of architectures can be achieved. Testing needs such as cable and connector testing, multiport and multi-DUT, and source port switching can be achieved in a single 2U or 4U chassis.

The image to the right shows an example of one possible architecture in a dual-source VNA with a quad 1x8 switch configuration. By integrating transfer switches and couplers, an extremely flexible test solution can be architected in a clean and compact form factor.



Easy Calibrations with CalTool



Keysight's CalTool software automates calibration configuration and path selection which allows test engineers to quickly configure multiport, segment, and channel calibrations. These calibration types are automatically configured at test execution from a matrix of pre-measured paths, allowing flexibility for fast reconfiguration of calibrations.

For example, the conventional approach to calibrating a 12x12 multiport device requires 144 two-port calibrations. With CalTool, only 24 one-port calibrations are required which then define the calibration path for all 144 ports.

This solution is an example of one of many that Keysight's Custom Solutions team can help design, integrate, and deliver. They are a specialized group of systems engineering experts that can help translate your unique requirements into a custom-tailored solution.

Start the conversation at quotes.adsys@keysight.com.

For more information on Keysight Technologies' products, applications, or services, please visit: www.keysight.com



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