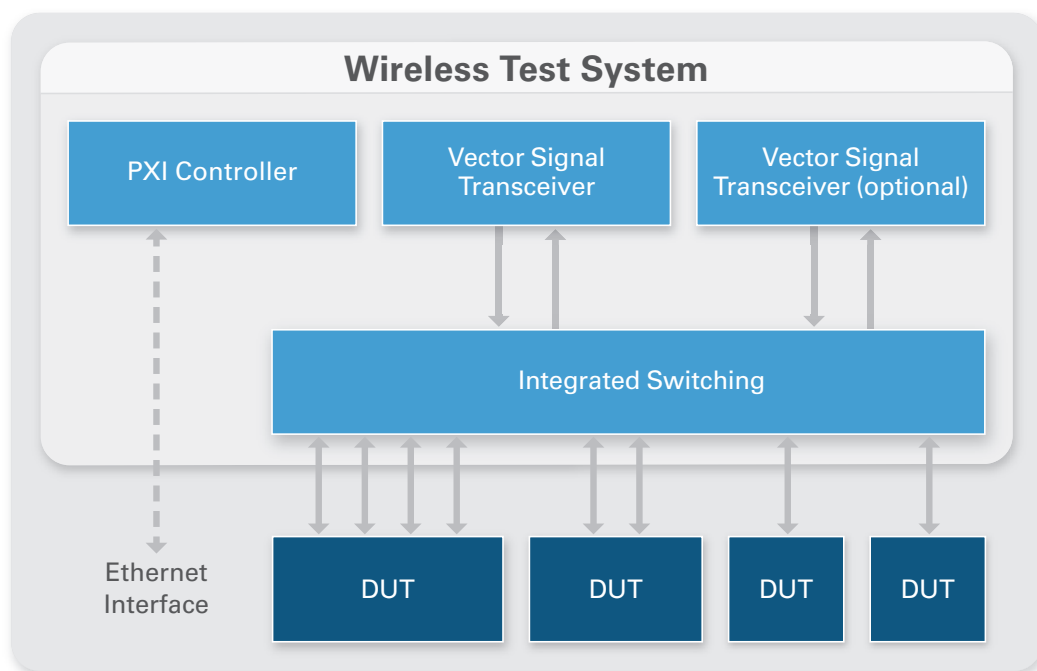


Wireless Test System



Lower Your Cost of Wireless Manufacturing Test

The Wireless Test System (WTS) helps you lower the cost of wireless manufacturing test for devices such as mobile phones, tablets, data cards, and modules. With industry-leading measurement speed and the flexibility to engage in multistandard, multi-DUT, and parallel test, the WTS integrates easily into a manufacturing line using ready-to-run reference test sequences, integrated DUT control, and remote automation control. Each of these features provides quicker and more cost-effective system deployment and, when combined with the WTS's shorter test times, a lower cost of test.



The WTS incorporates an NI vector signal transceiver—a PXI instrument that combines a wideband vector signal generator and analyzer with a powerful FPGA—to help you meet the most challenging wireless test applications.

Note: Ethernet interface connects to PC (not pictured).

Test Devices Faster

Increasing market pressures and more complex wireless devices require test engineers to find innovative solutions to lower test cost and increase manufacturing capacity. Built on PXI, multicore, and FPGA technologies, the WTS offers industry-leading measurement speed to help you improve test throughput.

Meet Present and Future Requirements

The WTS includes full-duplex RF ports that you can configure for MIMO, multistandard, and multi-DUT testing while minimizing future-proofing concerns on a scalable platform. Wideband RF instrumentation and software-defined measurement IP further support current and future wireless standards.

Rapidly Deploy Testers

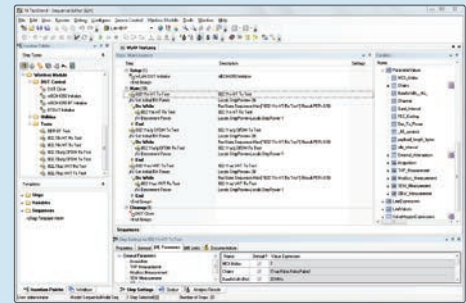
The Wireless Test Module (WTM) provides ready-to-run test sequences for devices from wireless chipset vendors such as Qualcomm and Broadcom. Additionally, the SCPI interface allows remote automation over Ethernet and smooth integration into existing manufacturing lines.

Supported Wireless Standards

- Wi-Fi 802.11a/b/g/n/ac
- Bluetooth and Bluetooth LE
- GPS
- FM/RDS
- LTE-A/LTE/HSPA+/WCDMA/TD-SCDMA/CDMA2000/EDGE/GSM

System Features

- Up to 200 MHz instantaneous bandwidth
- 65 MHz to 6 GHz frequency range
- Signal switching configurations that support both multiplexing and broadcast capabilities
- TCXO, OCXO, and external local oscillator options
- SCPI interface via Ethernet



Flexible Software Options

NI Industry-Standard Test Executive—

Combine the WTS with the WTM for an industry-standard, TestStand-based test executive software application for test automation. Create new test sequences faster and simplify complex measurement routines with built-in, standard-compliant test sequences.

Third-Party Test Executive—

Easily integrate the WTS into your own in-house test executive by using the SCPI remote automation interface. It helps you gain the measurement speed benefits of the WTS while minimizing changes to your test software and infrastructure.

Chipset Vendor Tools—

Use the WTS as a measurement solution with chipset vendor tools. Because these software tools natively support the WTS, you can quickly start testing a new wireless device without additional test software development.

Enabling Success Every Step of the Way

Take advantage of professional and product services that meet your needs during each phase of the application life cycle—from planning and development through deployment and ongoing maintenance.

Professional Services

The experienced and global team of NI engineering professionals and expert Alliance Partners is ready to tackle any challenge you face to ensure your success. Service options include:

- Prototyping and feasibility analysis
- Test software integration and optimization
- Custom fixturing, shielding, and interface solutions

For a list of Alliance Partners that can help you integrate the WTS into your production line, visit ni.com/wts/partners.

Product Services

Leverage benefits that span across a flexible services portfolio to meet the full spectrum of your WTS application needs. These services are delivered through a comprehensive, tiered program that provides a variety of options.

Standard Service Program (SSP)

A 3-year warranty included in every system helps eliminate unexpected maintenance costs and address basic support needs:

- Depot Maintenance Service
- Discounted Calibration Options

Premium Service Program (PSP)

For critical application needs that demand a faster response, access SSP entitlements plus:

- Advanced Replacement of Systems

PremiumPlus Service Program (PPSP)

When you require flexible service capabilities, NI offers highly customizable service options for large organizations or deployments:

- Custom Support Options
- On-Site Field Service
- Sparing and Repair Management
- Long-Term Application Support
- Development and Upgrade Assistance



US Corporate Headquarters

11500 N Mopac Expwy Austin, TX 78759-3504
T: 512 683 0100 F: 512 683 9300 info@ni.com

International Branch Offices—ni.com/global