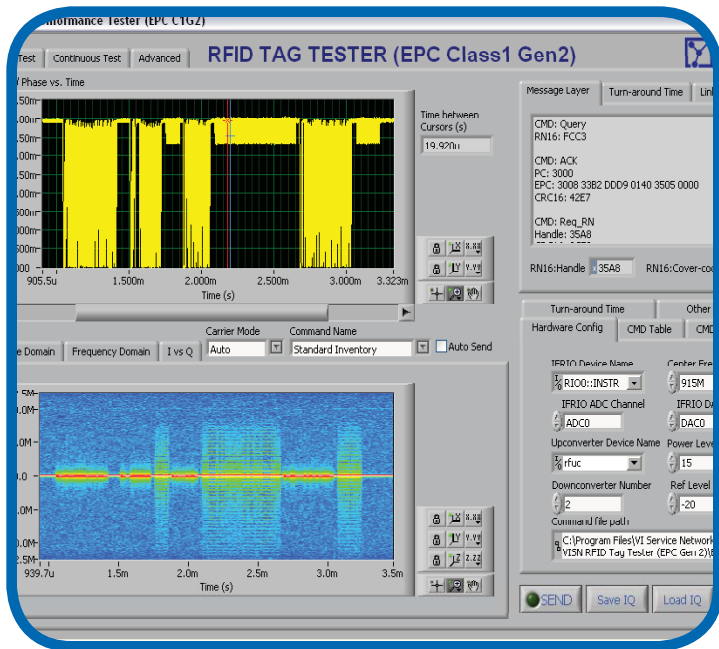


Product Data

NEXJEN-VISN-RFID Test System



Product Details

- RFID Protocol Conformance Tester
- LF to UHF Support
- Tag and Reader Emulation
- Sniffer software analyzes both tag and reader communications
- Multi-protocol support including ISO 14443 A-B, ISO 15693, ISO 18000-3 Mode 1-2, ISO 18000-6 A-C, EPC HF Class 1 Gen 2, and EPC UHF Class 1 Gen 2, ISO 18092 NFC, I Code 1.
- Custom Protocols on Request
- Out-of-the-Box functionality with toolkit demo panel.
- LabVIEW API for custom conformance development.
- Modular hardware and software for complete test system coverage.
- Integrates with NI TestStand for automated test system development.
- RFID Test System package includes: Base Hardware (Controller and Test HW), Conformance Toolkits, National Instruments LabVIEW and FPGA Tools.

Overview

The NEXJEN-VISN-RFID Test System is a conformance test and measurement solution for RFID devices, and is the first instrument in the world with an integrated RFID protocol stack and real-time communication capability.

The RFID Test System hardware includes a minimum set of components to perform conformance tests out of the box. The modular design of National Instruments PXI hardware allows for the addition of options including digitizers, amplification and base band hardware for complete coverage of test requirements in one station.

With the capability of real-time vector RF signal generation and analysis, the system has the capability to generate and analyze RFID signals per all current RFID standards.

The system is ideal for users who are performing conformance testing of tags and readers. The system also provides a standard platform for comparing reader or tag performance in field evaluations.

The LabVIEW API and demo panel provide the tools necessary to begin out of the box testing or to customize test development for specific requirements.

The NEXJEN-VISN-RFID Test System Includes:

- System Controller
- RF Acquisition Hardware
- Toolkit Software

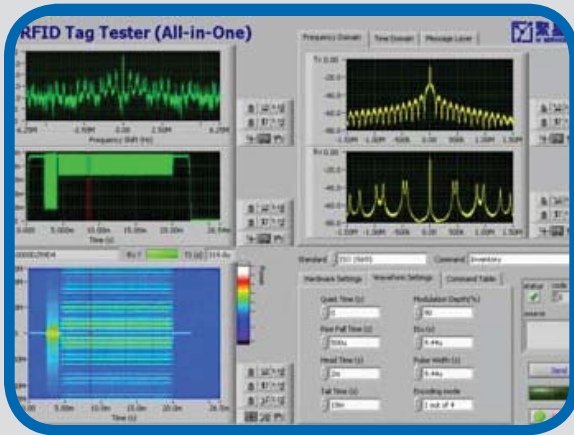
Each Software Toolkit Includes:

- Demo Panel
- Programming API for custom automation
- Users Manual

Software Toolkits and System Hardware

A Modular Platform that allows for Testing of Multiple Standards and Devices

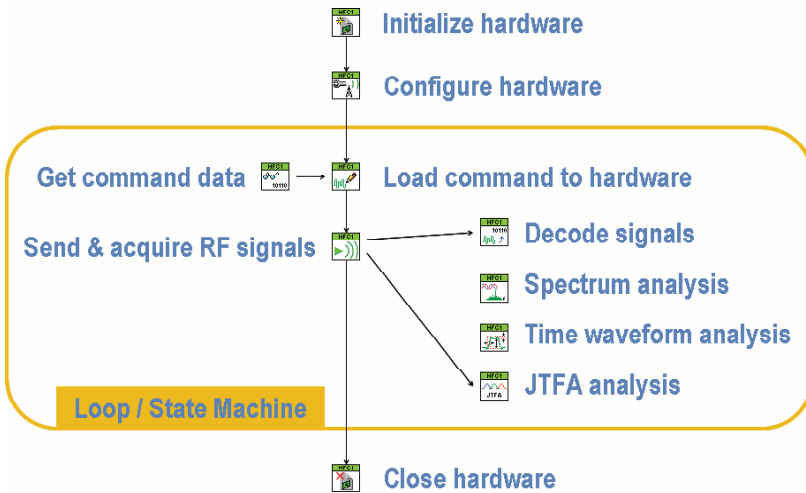
The RFID Test System can be deployed with a variety of toolkit software. Each toolkit ships with an open LabVIEW API and software reference, and a programming interface to allow custom development of conformance test scenarios. Custom protocols can be developed for the FPGA by VI Services Network.



The RFID Test System Includes this National Instruments HW:

- PXIe-1062Q 8 Slot Chassis
- PXIe-8106 2.16 GHz PXI Express Embedded Controller
- PXI-5600 2.7 GHz RF Downconverter
- PXI-5610 2.7 GHz RF Upconverter
- PXIe-5641R IF Transceiver

Example Software Toolkit API and List of Supported Protocols



Supported Protocols
EPC UHF Class 1 Gen 2 / ISO 18000-6 Type C
ISO 15693 / ISO 18000-3 Mode 1-2
EPC HF Class 1 Gen 2
ISO 14443 Type A, B
ISO 18000-6 Type A, B
ISO 18000-4 Mode 1
ISO 18092 NFC
ISO I Code 1

Ordering Information *	
Base UHF Hardware	\$ 44,495
Tag Test Toolkit	\$ 2,995 - \$ 4,995
Reader Test Toolkit	\$ 3,495 - \$ 6,995
Sniffer Test Toolkit	\$ 2,995 - \$ 3,995

* See our full price sheet for a complete listing of toolkits and pricing by protocol.

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