

# NI PXI Systems

Modular hardware. Powerful, open software.



**High Performance**  
Up to 24 GB/s throughput

**Accuracy**  
<250 ps sync

**Flexibility**  
600+ PXI modules

## Break Through Your Next Engineering Challenge

Build smarter, faster automated test systems with NI PXI:

- Ideal for mixed-signal applications and complex devices testing
- Achieve precise, synchronized measurements across instruments
- Scale to high-channel-count applications
- Maximize rack space with high-density systems

PXI delivers the accuracy, reliability, and flexibility you need to solve today's toughest test demands and adapt for tomorrow's innovations.

## Proven by Leading Innovators

NI PXI helps teams boost efficiency and bring products to market faster.

**30%**

Reduction in validation cycle times: Qualcomm

**10X**

Reduction in test cycle time: Philips

# What Is PXI?

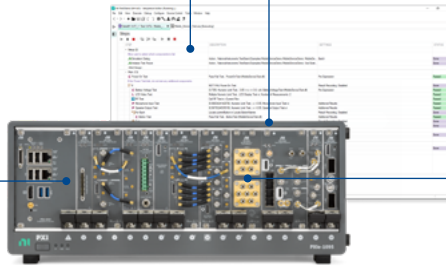
NI PXI is a high-performance test and measurement platform that integrates hardware and software—including chassis, controllers, modular instruments, and I/O modules—with advanced synchronization to tackle complex measurement and automation challenges. Renowned for its flexibility and reliability, engineers use PXI to build complex, mixed-measurement systems for applications ranging from research to validation and production test.

## Software

**Develop and automate tests faster.**  
From measurement to automation, manage, control and debug your instruments across InstrumentStudio, LabVIEW, and TestStand—all in one connected workflow—with open software for third-party support.

## Controller

**Reliable system control and data processing.**  
High-performance and reliable computing with the latest Intel® processors, Windows or Real-Time operating systems, up to 24 GB/s bandwidth, and up to 912 GB of storage.



## Chassis

**High-bandwidth power and synchronization.**  
From 2 to 18 slots, NI PXI chassis provide up to 24 GB/s system bandwidth and precise timing and synchronization across modules.

## Modules

**Scalable, high-performance instrumentation.**  
High density and variety of instruments modules—from DC to mmWave—combine power, precision, and flexibility across analog, digital, and RF test.

## Software-Powered Speed

From first measurements to full automation, our connected software platform helps you test faster, adapt to change, and scale with confidence, so you can focus on engineering—not managing instruments.

## Measure in Seconds with NI InstrumentStudio™ Software

The software companion of PXI—included with every system:

- Control multiple instruments from a single interface
- Log data instantly and save configurations for test continuity
- Pause, debug, and resume tests—no restart required

## Automate in Minutes with the NI LabVIEW+ Suite

When testing demands more, move from manual control to full automation.

- Use the NI Nigel™ AI Advisor to automate in minutes
- Build custom measurements with NI LabVIEW
- Orchestrate complex sequences and reporting with NI TestStand

## All included, plus more, in the LabVIEW+ Suite



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