



ATS-3100 PXI Integration Platform

PXI Integration Made Easy

A Fresh Approach

Save time, eliminate significant hassle, and reduce your NRE costs with the ATS-3100 PXI Integration Platform, the new configurable integration solution for PXI-based system development.

Typically, it is challenging and time-consuming to build PXI-based systems from the ground up. Systems can end up with high labor costs, require significant cable debugging, and in the end, prove not scalable due to their complexity.

The new ATS-3100 provides a quick start foundation so you can easily create and configure new test, measurement, or other systems based on PXI, a versatile PC-based platform for measurement and automation systems. The ATS-3100 enables you to rise above the base module level and focus on developing your complete solution.

Built for Rapid Success

At the heart of the ATS-3100 PXI Integration Platform is a radical new approach to PXI system development.

The ATS-3100 PXI Integration Platform combines a backplane, controller, chassis, cabling, and mechanical packaging together in a single solution to give you a head start on overall system design.

Start with this foundation, add your instruments, software, and customization to create a complete solution in record time. Or, to save even more time, ask Astronics Test Systems to do the finishing work for you.

Ideal as a bench top solution in R&D or manufacturing, this solution is also available in a rack-mounted configuration for larger test systems.

KEY BENEFITS

- **Save time and cost** - complete solution reduces development time and hassle
- **Streamlined** - deliver a polished solution instead of a science project
- **Simplified** - all the basics to make your test system development easier
- **Modular and configurable**
- **Upgradable** - buy what you need now and update/expand functionality later
- **Future supportable** - add and change instruments as needed

A PXI INTEGRATION PLATFORM FOR ANY APPLICATION:

- Military
- Aerospace
- Medical
- Semiconductor
- Quantum Computing
- Mass Transit
- And more

The Features You Need.

The ATS-3100 comes pre-loaded with everything you need for a fast start to your system development:

- The latest backplane technology from National Instruments
- 18-slot hybrid PXI/PXIe chassis
- Reconfigurable front and rear panels for customer defined I/O for a variety of applications
- Internal cable management
- Large touchscreen display

Integrated Cabling.

Save significant time and cost by avoiding the hassle of cable design, build, and debugging. Cables are integrated internally, and with no "rats nest" of cables, your design process is faster and future maintenance is easier.

Convenient Add-Ons.

The platform is completely instrument and software agnostic. Add your own instruments and software, or, for convenience, specify some from Astronics. Our plug-in PXIe instruments make for a convenient one-vendor solution.

- PXIe-1209 Pulse Pattern Generator
- PXIe-1802 Arbitrary Waveform Generator
- PXIe-1803 Digitizer
- PXIe-2461 Frequency Time Interval Counter
- PXIe-3352 Rubidium
- PXIe-6943 Digital Test Instrument

This system is compatible with NI's TestStand or LabView software to complete your system.



Start with the basic platform that includes a chassis, backplane, controller, and integrated cabling. Add your instruments, software, and customization to create a complete solution in record time.



Turnkey Solutions Available.

As a systems integrator for nearly 60 years, put our expertise to work for you. If you'd like a custom solution, we'll start with this platform and design and build your solutions to fit your needs. Lean manufacturing and tight quality control ensures your system is delivered in top flight condition.

From the Test Systems Experts.

Astronics Test Systems has provided military, aerospace, semiconductor, medical, and a host of other industry customers

with test instruments and test instruments since 1961. The ATS-3100 PXI Integrated Platform brings all of our test system development wisdom to you.

Get Started Today

For additional details, please contact Astronics Test Systems.

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