



What Is VeriStand?

VeriStand is software for real-time test applications, such as stimulus generation, data acquisition, and calculated channels and custom channel scaling.

Explore VeriStand Features

VeriStand application software helps you configure I/O channels, data logging, stimulus generation, and host communication for NI real-time hardware. You can also import simulation models and control algorithms, respond to events with configurable alarms, and enable test automation with macro recording, TestStand, .NET, and other software. You can interact with and monitor application data, alarm states, and system execution metrics using a run-time editable user interface. Although you don't need programming knowledge, you can also use a variety of software environments such as LabVIEW, ANSI C/C++, Python, and ASAM XIL to add custom functionality to VeriStand. VeriStand users with an active Standard Service Program (SSP) membership are eligible to upgrade to the latest version of VeriStand.

Configure Real-Time Tasks

Get your real-time tests up and running quickly.

Visualise Data and Manage Test Execution

Monitor and interact with your system during run-time to ensure tests are running in a known and desired state.

Run Automated Tests

Meet your real time test requirements with test sequences that represent real-world conditions.

What Can You Do With VeriStand?

VeriStand helps test engineers reduce the time they need to test their products with a wide range of functionality including configurable data acquisition, simulation model integration, test sequencing, and logging. Learn more about how you can use VeriStand to develop, deploy, and run your real-time tests.

Develop Test and Validation Systems

Configure real-time I/O, create plugins, import and simulate models, and automate real-time tests.

Deploy and Run Test Systems

Run tests and configure your user interface during execution. Also, integrate VeriStand into your system with capabilities from TestStand, Python, and DIAdem.

Software Benefits

Standard Service Program

Every purchase includes a renewable, one-year membership to the Standard Service Program (SSP) for software, which offers the following:

- Live phone and email technical support from local, degreed engineers
- Automatic version updates to LabVIEW and LabVIEW NXG
- 24/7 access to selected online training and virtual demonstrations
- Access to historical versions in case you need to share code with your team

How to Buy VeriStand

Buy VeriStand for You

A single-seat license of VeriStand can be associated with an individual or to a specific computer ID.

Buy VeriStand for Your Team

The Volume License Program is designed for teams that need five or more licenses to reduce the total cost of ownership by providing streamlined asset management to your organization.

Buy the HIL and Real-Time Test Software Suite

You can purchase VeriStand as part of the HIL and Real-Time Test Software Suite, which also includes LabVIEW and LabVIEW NXG, LabVIEW Real-Time, and LabVIEW FPGA Module.

Related Products

LabVIEW

LabVIEW is systems engineering software for applications that require test, measurement, and control with rapid access to hardware and data insights.

TestStand

TestStand is application software that helps test and validation engineers quickly build and deploy automated test systems.

INERTIA Add-on for VeriStand

INERTIA is a test cell control and automation add-on for efficiently implementing real-time control systems for physical test and validation applications.

Select Your VeriStand Edition

	VeriStand Development System	VeriStand Operator System	VeriStand PC Development System
Key differentiators	<ul style="list-style-type: none">Use VeriStand in real-time and Windows environmentsDevelop and deploy your real-time test application	<ul style="list-style-type: none">Deploy and operate real-time applications after they have been configuredBuild test system interfaces quickly using a run-time-editable user interfaceImplement real-time test automation and multirate data-logging tasks	<ul style="list-style-type: none">Use VeriStand in a Windows-only environmentCreate MIL and SIL tests that can easily scale to prototyping and HIL test applications
Standard Service Program			
One year of technical support	✓	✓	✓
One year of software upgrades	✓	✓	✓
Access to 24x7 online training courses	✓	✓	✓
VeriStand Product Functionality			
Deploy system definition file to real-time target	✓	✓	-
Configure supported NI hardware devices	✓	-	✓
Create new system definition files	✓	-	✓

	VeriStand Development System	VeriStand Operator System	VeriStand PC Development System
Configure custom devices	✓	-	✓
Configure models	✓	-	✓
Add user channels	✓	-	✓
Add calculated channels	✓	-	✓
Map channels	✓	-	✓
Add alarms	✓	-	✓
Add procedures	✓	-	✓
Create new workspace files	✓	✓	✓
Add standard and custom tools menu utilities	✓	✓	✓
Use custom header VIs	✓	✓	✓
Reconfigure alarms	✓	✓	✓
Create stimulus profiles	✓	✓	✓
Run stimulus profiles	✓	✓	✓
Log data	✓	✓	✓
Manage users	✓	✓	✓
Manage model parameters	✓	✓	✓
Run compiled models (model DLLs)	✓	✓	✓
Run models (.mdl) developed using The MathWorks, Inc. Simulink® application software ¹	✓	✓	✓

¹Simulink® is a registered trademark of The MathWorks, Inc.

Part Number Table

Description	Part Number
VeriStand Full DEV License, Download	780590-35
VeriStand Full Development License, with Media	780590-35WM
VeriStand PC DEV License, Download	781066-35
VeriStand PC Development License, with Media	781066-35WM
VeriStand Operator License, Download	781067-35
VeriStand Operator License, with Media	781067-35WM