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## What Is FlexLogger™?

FlexLogger is application software for quick sensor configuration and data logging of mixed signals to verify electromechanical systems, all without programming.

## Explore FlexLogger Features

FlexLogger helps you build flexible, scalable data-logging systems with NI DAQ hardware, no programming required. You can use sensor-specific configuration workflows to quickly set up, visualize, and log a mix of synchronized measurements from analog sensors, digital signals, and vehicle communication buses. You can also generate voltage, current, or digital signals to drive actuators or control set points. FlexLogger automatically saves metadata documenting your test configuration, so you can quickly trace test results and make comparisons across multiple tests. You can interactively review test results in the integrated data viewer to visually inspect your data and draw conclusions.

## Configure Mixed Measurements

Shorten test setup time with sensor-specific configuration workflows, a live data preview, and built-in hardware documentation.

## Customize How You View Your Data

Get the insight you need during your test by tailoring your visualization with customizable screens.

## Log Traceable Test Results

Capture information and make data-driven decisions with comprehensive metadata, flexible logging, and interactive data review.

## What Can You Do With FlexLogger?

FlexLogger provides a configuration-based workflow to accomplish validation and verification tasks throughout the product design cycle. Learn more about common data-logging applications below.

## Troubleshoot Physical Systems

You can use FlexLogger with sensor-specific DAQ hardware to integrate new measurements to quickly identify faults and malfunctions.

## Characterize Component Performance

FlexLogger automatically synchronizes mixed-signal measurements, so you can accurately analyze data from different sources to verify physical components function according to design specifications.

## Software Benefits

### Standard Service Program

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

- Live phone and email technical support from local, degreed engineers
- Automatic version updates to FlexLogger
- 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 FlexLogger

### Buy FlexLogger for You

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

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## Buy FlexLogger for Your Team

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

## What DAQ Hardware Can I Use with FlexLogger?

FlexLogger supports many CompactDAQ modules, PXI DAQ modules, and all FieldDAQ devices. See the full list of supported hardware here, or learn more about the platforms below.

### CompactDAQ Systems

CompactDAQ systems provide a customizable solution for engineers to perform electrical and physical measurements either at their benchtop or in a distributed architecture.

### PXI Systems

PXI systems provide high-performance modular instruments and other I/O modules that feature specialized synchronization and key software features for test and measurement applications from device validation to automated production test.

### FieldDAQ Devices

FieldDAQ devices are rugged, dust-proof, water-resistant data acquisition devices designed for simplified distribution in the most extreme environments.

## Need Analytics and Reporting?

FlexLogger captures comprehensive metadata for easier traceability across multiple tests. NI recommends using DIADEM with FlexLogger to quickly locate, inspect, analyze, and report your recorded data to gain wider insight and repeat fewer tests.

### DIADEM Feature Highlights

- Quickly find data anywhere on a disk or network with metadata search queries
- Customize your analysis using hundreds of configurable engineering calculations
- Communicate results clearly and concisely using custom, professional reports
- Save time by capturing steps you interactively perform in a script to automate repetitive tasks.

## Part Number Table

Description	Part Number
FlexLogger, Perpetual License, Download	785748-35
FlexLogger Subscription License Download	785748-3501
FlexLogger, Subscription License, With Media	785748-3501WM