

EXPERION® LX

# Experion®LX

Experion®LX is a purpose-built distributed control system (DCS) leveraging the proven Experion PKS technology to effectively meet process automation requirements in continuous and batch process control applications.

## Overview



Feedback

### Overview

**Experion®LX is based Honeywell's proven Experion Process Knowledge System (PKS) technology and designed to efficiently meet the control system needs of variety of industrial applications. It provides an integrated platform with comprehensive connectivity, advanced HMI and tools, and software enabled solutions delivering operational efficiencies and new business outcomes.**

### What Is It?

**Experion LX is the perfect platform for users to extend their scope at any time from process control and management to include personnel and assets, and to even integrate the resources of their entire business operations.**

**Experion LX offers proven technology with the right agility for greater reliability and advanced control:**

- Provides flexible control platform options based on Series 8 and ControlEdge for improved fit across various industrial applications
- Includes model-based advanced predictive control technology for loop-control optimization
- Ensures no "loss of view" of the core process through Experion Direct Connect Station
- Utilizes Honeywell's patented Fault Tolerant Ethernet (FTE) capability ensures greater reliability
- Employs IT-enabled solutions for improved performance and operations (e.g., virtualization, data mobility, remote operations)
- Changes control process verification for regulatory compliance
- Simplifies engineering and maintenance functionality

### How Does It Work?

**Experion LX offers an integrated control package based on state-of-the-art controllers and technology, which enable seamless, plant-wide control and improved connectivity. The key features of this solution include:**

- Built-in function blocks and pre-built templates
- Rich function libraries to easily create control strategies
- Support for Custom Algorithm Blocks (CABs) and application development to suit industry and application-specific requirements
- User-friendly tools such as Control Builder, Enhanced Bulk Builder, Quick Builder, Smart Reporting and HMIWeb Solution Pack
- Simple Human Machine Interface (HMI) including Abnormal Situation Management (ASM®) Consortium-compliant displays

- Alarm management tools such as alarm shelving, alarming tracker, and dynamic alarm suppression

These features make Experion LX quick to implement, effortless to use and easy to maintain. Users can greatly reduce the time required to engineer controls and displays, configure reports, and build interfaces. In addition, Experion LX makes it easier for operators to run the plant by giving them the information they need to make timely decisions without cluttering their view of the process.

What Problems Does It Solve?

Experion is a proven Distributed Control System (DCS) leveraging the Experion PKS system, which is purpose-built to fit users’ applications and is easy-to-use and configure. This system enables users to:

- Maximize uptime and improve plant reliability and efficiency
- Enhance operator effectiveness through alarm management and displays
- Ensure data integrity and integration with business applications for optimized performance
- Scale the system to meet expanded or future requirements
- Remove process bottlenecks by integrating data, processes, and workflows
- Improve equipment and process monitoring, and optimize production against feed and energy costs

# Product Number

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PART NUMBER	DESCRIPTION
LX-1BP100	100 TIER1 BATCH POINT ADDER-UOC LX
LX-2BP100	EXP LX 100 ADVANCED BATCH POINTS
LX-ACVAGE	Alarm Pager
LX-ADSP01	Advanced HMIWeb Solution Pack
LX-ADSPSW	Add-on HMIWeb Advanced Solution Pack
LX-AEAPD1	Application Development Toolkit
LX-AESHED	Experion LX Point Control Scheduler
LX-AIO100	100 ANALOG IO POINT ADDER-UOC LX
LX-ALMTND	Alarm Tracker
LX-BBD0BS	Experion LX Bulk Build

Feedback