

## Understanding Your Experion License



**EP03-250-301**

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## **1. Introduction**

### **1.1. About This Document**

This document is published for customers who have purchased an Experion software license. It describes the Experion software license certificate and the associated Experion software model numbers.

### **1.2. Experion Software**

One or more Experion servers are required for an Experion system. Each server or redundant server combination, also called a 'cluster', is defined by a single Experion software license certificate. Experion functionality is licensed as optional features to allow users to purchase only what they need. These features can be purchased at any time and added to a server with an updated license key. Most do not require an additional software installation or a shutdown of the server software component. Licensed features may not be transferred between individual Experion server licenses.

### **1.3. Experion Software License Certificate**

Each license certificate includes information fields that identify the unique system number, the system name, the product name, the issue date, the revision number, the licensee name and the unique software authorization number. Also displayed are the software features that are enabled. Software features are licensed differently, depending upon their function. They are divided into the following categories.

#### **System Software**

This section includes the software license revision number. Any of the revision levels in the R30x.x range indicate that the license is applicable to the entire R30x.x system software family.

#### **System Sizing**

Functions in this category are licensed according to the system sizing. For example, points are licensed based on the number required. Stations and the multi-window feature for Flex Stations are licensed based on the number of instances, and OPC Server options are licensed per the number of connections to the server.

#### **Software Options**

Experion software also includes options that are enabled server-wide, such as Alarm Pager, Recipe Manager and Point Control Scheduler. Redundancy, template support, qualification and version control and bulk build support are also listed in the options section because these are also licensed server-wide. It is not possible to apply these options to only part of the Experion point database.

#### **Software Interfaces**

Experion software interfaces are listed in a separate section on the license certificate and are enabled server-wide. These interfaces can be used to integrate any number of devices via that interface.

### **1.4. Companion TPS Component License Certificate**

Experion systems that are connected to TPS can be supplemented with a companion TPS-Experion license certificate. The companion TPS-Experion license certificate details specific TPS-related options such as GUS software, File Transfer etc.

### **1.5. Companion Experion Component License Certificate**

Experion components that are not licensed via the Experion server software license such as Experion Backup and Restore are supplemented with a separate companion license certificate.

## 1.6. Experion Base Software License Contents

Each Experion server requires base software (model number EP-DBASE1). The base software includes the following items, which are reflected in the total on the license certificate.

- **1 Experion Station - Flex (ES-F)** – Client-connected HMIWeb-based human interface.
- **50 SCADA Points** – Point type used with SCADA interfaces (including the OPC Client Interface and Safety Manager and FSC Interface).
- **50 Process Points** – Point type used to integrate C200/C300 controllers, Application Control Environment (ACE) nodes etc.
- **1 Quick Builder License** – Allows users to configure points, communication links to controllers/RTUs, Stations and printers.
- **1 Display Builder License** – Allows users to create and edit HMIWeb displays using the HMIWeb Display Builder tool or legacy displays using the Display Builder tool (1 license supports the use of one instance of each tool).
- **1 Control Builder Client License** – Enables the configuration of control strategies in CDA (Control Data Access) devices such as the C200, C300, and ACE.
- **Honeywell CDA Subsystems Interface** – Enables integration with all CDA (Control Data Access) devices such as C200, C300, FIM, IOLIM, ACE Simulation environments, and LIOM.
- **Honeywell Safety Manager and FSC Interface** – Enables integration with the Honeywell Safety Manager and FSC systems.
- The base license also includes additional options and interfaces that are listed in the “Server Database” section.

## 1.7. Experion Optional Software Models-at-a-Glance

Optional Experion server software features include:

- **Experion Server TPS Enabler** – Option for the Experion server that enables full-scale integration of TPS with Experion.
- **Database Points** – The total number of SCADA and process points determines the sizing of the Experion system.
- **Server Redundancy** – The redundancy option enables a pair of similarly configured servers to support each other in a primary/backup fashion. This option also supports on-process migration of redundant servers and controllers to the next release of Experion.
- **Distributed System Architecture (DSA)** – DSA brings multiple servers (also called ‘clusters’) together into a seamless Experion multi-cluster system.
- **Experion Station – Flex Licenses (ES-F)** – The Experion human interface that uses a client-server relationship to present process data to the operator.
- **Multi Window Support for Experion Station – Flex** – Multi-window support is included for each Experion Station – Console and Console Extension. It is an option for an Experion Station – Flex.
- **Experion Station – Console (ES-C)** – The Experion human interface that directly connects to CDA devices (C200, C300, ACE, FIM, etc) for data, alarms, and events.
- **Experion Station TPS Enabler** – Option for the Experion Station – Console to extend direct connection to TPS for data, alarms, and events.
- **Experion Station – Console Extension (ES-CE)** – The Experion human interface that connects to an Experion Station – Console (in a similar manner to how Experion Station – Flex connects to the Experion server), effectively expanding the operator’s work space.
- **TPS Options** – Includes several GUS and native window options that are applicable to the Experion Stations with TPS integration.
- **OPC Connectivity Options** – The Experion server can serve data, historical data, and alarms and events to OPC clients or it can act as a client (Data Access and Alarms & Events) to other OPC servers.
- **Honeywell Device Integration** – Honeywell systems such as TDC3000 Data Hiway and Honeywell Series 9000 are comprehensively integrated into Experion.
- **SCADA Interfaces** – Multiple interfaces to RTUs, PLCs, and other devices to integrate these devices into the Experion system.

- **Application Enablers** – Support specific requirements such as recipe management and supervisory point control scheduling.
- **Alarm Pager** – Send alarms directly to pagers, e-mail, and more.
- **Application Development Toolkit** – Enables software components that support custom applications written to utilize Experion APIs (Application Programming Interfaces) that execute on the Experion server or on network-based clients. Also included are the ODBC Data Exchange and ODBC Driver functions of Experion.
- **Microsoft Excel Data Exchange** – Enables the capture of real-time and history information within Microsoft Excel spreadsheets.
- **21 CFR Part 11 Functions** – Enables functions such as Electronic Signature to support the regulated industries to comply with FDA regulations.
- **Engineering Tools** – Support system configuration and display building.
- **C200 or C300 Control Solver Licenses** – One control solver license is required for each redundant or non-redundant controller (C200 or C300 controller).
- **Template Support** – Supports the creation of control modules based on pre-defined templates. Modifications in the template will be propagated to the derived control modules.
- **Qualification and Version Control System Support (QVCS)** – Simplifies FDA validation by defining and enforcing a user-defined development life cycle for Experion CDA devices in addition to the version control which includes version management, a version repository, and supports an audit capability.
- **Bulk Build Support** – Enables users to efficiently build multiple control modules, sequence control modules, IO modules and devices using the Experion Bulk Build tool and other common database applications.
- **Unit Control Function** – Container module available for the ACE node and C300 controller. The unit control function coordinates multiple actions in the Experion system during start-up/shutdown sequences, grade changes etc.
- **Controller Related Libraries** – Function block libraries that support specific control requirements such as the Allen-Bradley variable speed drive and AGA Flow rate calculation library, which can be used in addition to the standard function block libraries.
- **Foundation Fieldbus, Devicenet, and Profibus Interfaces** – Specific usage licenses to support these specific busses.
- **Application Control Environment (ACE)** – The ACE node is a computer-based supervisory control platform. The ACE is a CDA device like the C200 and C300.
- **ACE TPS Enabler** – Option for the Experion ACE to extend direct connection to TPS for data, alarms, and events.
- **ACE Control Libraries** – Function block libraries that support specific control requirements such as OPC extension, UCN output extension and Hiway output extension libraries, which can be used in addition to the standard function block libraries.
- **Simulation Environments** – Simulates the C200 or ACE controller on a computer platform without requiring dedicated controller hardware or process connections.

## 1.8. Using Redirection Manager with an Experion System

OPC Redirection Manager (RDM) is included with the Experion Base software license for usage between Experion and other OPC applications. RDM licenses must be ordered when using RDM between two sets of third-party OPC applications ('third party to third party'), between TPS and a third-party OPC application ('third party to TPS') or between TPS applications ('TPS to TPS').

## 1.9. Model Number License Overview

Model Number	Model Name	Experion License Certificate Description
EP-DBASE1	Experion server Database Base Software	<ul style="list-style-type: none"> <li>• 50 Experion Process Points</li> <li>• 50 Experion SCADA Points</li> <li>• 1 Display Builder</li> <li>• 1 Quick Builder</li> <li>• 1 Flex Station</li> <li>• 1 Control Builder Client License</li> <li>• Development System</li> <li>• DSA enabling License</li> <li>• Batch Report</li> <li>• OPC Integrator local transport enabler</li> <li>• CDA Subsystems interface</li> <li>• Honeywell Safety Manager &amp; FSC Integration</li> </ul>
EP-SRVTPS	Experion server TPS Enabler	Experion Server TPS Enabler
EP-DPR100	100 Process Point Adder to Database Size	Adds 100 Experion Process Points
EP-DPR01K	1,000 Process Point Adder to Database Size	Adds 1,000 Experion Process Points
EP-DPR02K	2,000 Process Point Adder to Database Size	Adds 2,000 Experion Process Points
EP-DPR05K	5,000 Process Point Adder to Database Size	Adds 5,000 Experion Process Points
EP-DPR10K	10,000 Process Point Adder to Database Size	Adds 10,000 Experion Process Points
EP-DSC100	100 SCADA Point Adder to Database Size	Adds 100 Experion SCADA Points
EP-DSC01K	1,000 SCADA Point Adder to Database Size	Adds 1,000 Experion SCADA Points
EP-DSC02K	2,000 SCADA Point Adder to Database Size	Adds 2,000 Experion SCADA Points
EP-DSC05K	5,000 SCADA Point Adder to Database Size	Adds 5,000 Experion SCADA Points
EP-DSC10K	10,000 SCADA Point Adder to Database Size	Adds 10,000 Experion SCADA Points
EP-RBASE1	Redundancy Base Software	<ul style="list-style-type: none"> <li>• Server Redundancy</li> <li>• On-Process Migration</li> </ul>
EP-RPR100	100 Process Points Redundancy Adder	N.A.
EP-RPR01K	1,000 Process Points Redundancy Adder	N.A.
EP-RPR02K	2,000 Process Points Redundancy Adder	N.A.
EP-RPR05K	5,000 Process Points Redundancy Adder	N.A.
EP-RPR10K	10,000 Process Points Redundancy Adder	N.A.
EP-RSC100	100 SCADA Points Redundancy Adder	N.A.
EP-RSC01K	1,000 SCADA Points Redundancy Adder	N.A.
EP-RSC02K	2,000 SCADA Points Redundancy Adder	N.A.
EP-RSC05K	5,000 SCADA Points Redundancy Adder	N.A.
EP-RSC10K	10,000 SCADA Points Redundancy Adder	N.A.
EP-XRESR1	DSA Remote Server Enabler	14 DSA Remote Server Connections
EP-STAT01	Experion Station – Flex (1 Connection)	Adds 1 Flex Station
EP-STAT05	Experion Station – Flex (5 Connections)	Adds 5 Flex Stations
EP-STAT10	Experion Station – Flex (10 Connections)	Adds 10 Flex Stations

Model Number	Model Name	Experion License Certificate Description
EP-SMWIN1	Multi Window Support, per computer platform	Adds 1 Multi-Window Flex Station Option
EP-STACO1	Experion Station – Console (1 Connection)	Adds 1 Console Station
EP-STACO5	Experion Station – Console (5 Connections)	Adds 5 Console Stations
EP-STAC10	Experion Station – Console (10 Connections)	Adds 10 Console Stations
EP-CONTPS	Experion Station TPS Enabler	Adds 1 Experion Station TPS Enabler
EP-STACEX	Experion Station – Console Extension	Adds 1 Console Extension Station
EP-RGC000	GUS remote Displays Client for Experion	This option is included in the TPS Companion License certificate. This option will not appear on the Experion License Document.
EP-DSS000	GUS Display Runtime for Experion	As above.
EP-MDS000	GUS Multiple Displays for Experion	As above.
EP-GPT000	GUS Display Builder for Experion	As above.
EP-RNW000	Remote Native Window Client for Experion	As above
EP-FLT000	File Transfer for Experion	As above
EP-OPCCLI	OPC Client Interface	<ul style="list-style-type: none"> <li>• OPC Client Interface</li> <li>• OPC Advanced Client</li> </ul>
EP-OPCINT	OPC Integrator, per Connection	Adds 1 OPC Integrator Server Application Instance
EP-OPCDA1	OPC Data Access Server, per Connection	Adds 1 OPC Data Access Server CAI
EP-OPCSAE	OPC Alarm & Event Server, per Connection	Adds 1 OPC Alarm & Event Server CAI
EP-OPCHDA	OPC History Data Access Server, per Connection	Adds 1 OPC History Data Access CAI
EP-IHWTDC	Honeywell TDC 3000 Data Hiway Integration	Honeywell TDC 3000 Data Hiway Integration
EP-IHWS9K	Honeywell S9000 Integration	Honeywell S9000 Integration
EP-IHW620	Honeywell 620 LCS Serial and Ethernet Interface	Honeywell 620 LCS Serial and Ethernet Interface
EP-IHWUDC	Honeywell UDC 3000/5000/6300 Integration	Honeywell UDC 3000/5000/6300 Integration
EP-IHWMXX	Honeywell Micromax LPU & Video Paperless	Honeywell L&N Interface (Micromax LPU etc.)
EP-IHWDPR	Honeywell DPR Recorders (DPR 100, 180, 3000)	Honeywell DPR Recorders (DPR 100, 180, 3000)
EP-IHWFSG	Honeywell RM7800 Flame Safeguard	Honeywell RM7800 Flame Safeguard
EP-IHUMB	Honeywell Universal Modbus Interface	Honeywell Universal Modbus Interface
EP-IDNP3P	DNP3 Protocol Interface	DNP3 Protocol Interface
EP-IMDBUS	Modbus (RTU, Plus, ASCII, & TCP) Interface	Modbus (RTU, Plus, ASCII, & TCP) Interface
EP-IABRI1	Allen-Bradley Interface	Allen-Bradley Integration Allen-Bradley RSLinx Interface Allen-Bradley Serial Interface
EP-IRSL25	Allen-Bradley RSLINX Software	This is third party software and is not licensed on the Experion server; this will not appear on the Experion license certificate.
EP-IGES90	GE Fanuc Series 90 PLC via Ethernet (requires EP-IGEAPI)	GE Fanuc Series 90 Interface
EP-IGEAPI	GE API License	GE Fanuc API Windows NT Runtime License
EP-ISMNS5	Siemens S5/S7 & TI PLC Via H1 / TF API	Siemens S7 Interface
EP-IAPLCM	Applicom Interface	Applicom Interface
EP-IGEM80	GEC GEM80 PLC Interface	GEC GEM80 PLC Interface
EP-IYTMA5	Yamatake MA500 Interface	Yamatake MA500 Interface
EP-IBBRTU	Bristol Babcock RTU Interface	Bristol Babcock RTU Interface

Model Number	Model Name	Experion License Certificate Description
EP-IMR35X	Moore 351, 352, 353, 383 Interface	Moore 351, 352, 353, 383 Interface
EP-IHTCHI	Hitachi Interface	Hitachi PLC Interface
EP-IASEAI	ASEA Interface	ASEA PLC Interface
EP-IMAPAC	Moore APACS Interface	Moore APACS Interface
EP-AERMGR	Recipe Manager	Recipe Management
EP-AESHED	Point Control Scheduler	Point Control Scheduler
EP-AEPAGE	Alarm Pager	Alarm Pager
EP-AEAPD1	Application Development Toolkit	<ul style="list-style-type: none"> <li>• Server Automation Object</li> <li>• User scan task</li> <li>• ODBC Data Exchange</li> <li>• ODBC Driver</li> <li>• Network Server</li> </ul>
EP-AEED1	Microsoft Excel Data Exchange, per User	Adds 1 Microsoft Excel Data Exchange User
EP-ESIG01	Electronic Signature Option	Electronic Signature
EP-TQBLDR	Quick Builder – SCADA database builder	Adds 1 Quick Builder
EP-TDSPBD	Display Builder	Adds 1 Display Builder
TC-SWCB31	CB10 Control Builder Client License	Adds 1 Control Builder Client License
TC-CADL01	CAB Developer	Adds 1 CAB Developer
TC-SWCS11	CS01 Control Solver 50 msec CDA (license only)	Adds 1 C200 (CEE) Control Solver
TC-SWCS21	CS02 Control Solver 5 msec CDA (license only)	Adds 1 C200 (CEE) Control Solver
TC-SWCS30	C300 Control Solver 50 msec CDA (license only)	Adds 1 C300 (CEE) Control Solver
TC-SWSC01	ACE Base Software License	Adds 1 Application Control Environment
EP-ACETPS	ACE TPS Enabler	Adds 1 ACE TPS Enabler
TC-AGAL02	AGA Flow Rate Calculation Library	CDA - AGA Flow Rate Calculation Library
TC-ABDL02	Allen Bradley Drive Interface Library	AB Drive Interface Library
TC-MTJXL1	Mettler Toledo JagXtreme Scale Interface Library	Mettler Toledo JagXtreme Function Block
TC-MTQML1	Mettler Toledo Q.iMPACT Interface Library	Mettler Toledo Q.Impact Function Block
TC-OPCL01	OPC Extension Library	OPC Extension Library for ACE
TC-UCNL01	UCN Output Extension Library	UCN output Extension Library for ACE
TC-HWIL01	Hiway Output Extension Library	HIWAY output extension library for ACE
TC-TMP0BS	Configuration Template Support Base Software	Control Builder Template support
TC-TMP100	100 Point Configuration Template Support	N.A.
TC-TMP01K	1,000 Point Configuration Template Support	N.A.
TC-TMP02K	2,000 Point Configuration Template Support	N.A.
TC-TMP05K	5,000 Point Configuration Template Support	N.A.
TC-TMP10K	10,000 Point Configuration Template Support	N.A.
TC-QVC0BS	Qualification and Version Control System Base software	Qualification and Version Control
TC-QVC100	100 Point Qualification & Version Control System	N.A.
TC-QVC01K	1,000 Point Qualification & Version Control System	N.A.
TC-QVC02K	2,000 Point Qualification & Version Control System	N.A.
TC-QVC05K	5,000 Point Qualification & Version Control System	N.A.
TC-QVC10K	10,000 Point Qualification & Version Control	N.A.

Model Number	Model Name	Experion License Certificate Description
	System	
TC-BBD0BS	Base Bulk Build Support	Bulk Build support
TC-BBD100	100 point Bulk Build Support	N.A.
TC-BBD01K	1,000 point Bulk Build Support	N.A.
TC-BBD02K	2,000 point Bulk Build Support	N.A.
TC-BBD05K	5,000 point Bulk Build Support	N.A.
TC-BBD10K	10,000 point Bulk Build Support	N.A.
TC-UCML02	Unit Control Module License, 2 UCM	Adds 2 Unit Control modules
TC-UCML05	Unit Control Module License, 5 UCM	Adds 5 Unit Control modules
TC-UCML10	Unit Control Module License, 10 UCM	Adds 10 Unit Control modules
TC-UCML50	Unit Control Module License, 50 UCM	Adds 50 Unit Control modules
TC-SIMC21	C200 Simulation Control environment	Adds 1 C200 Simulation Environment
TC-SIMAC1	ACE Simulation Control Environment	Adds 1 ACE Simulation Environment
TC-FFLX01	Fieldbus Usage License, 1 FIM	Adds 1 Fieldbus Usage License
TC-FFLX05	Fieldbus Usage License, 5 FIMs	Adds 5 Fieldbus Usage Licenses
TC-FFLX10	Fieldbus Usage License, 10 FIMs	Adds 10 Fieldbus Usage Licenses
TC-FFLX50	Fieldbus Usage License, 50 FIMs	Adds 50 Fieldbus Usage Licenses
TC-DNLX01	DeviceNet Usage License, 1 DNB	Adds 1 DeviceNet Usage License
TC-DNLX05	DeviceNet Usage License, 5 DNBs	Adds 5 DeviceNet Usage Licenses
TC-DNLX10	DeviceNet Usage License, 10 DNBs	Adds 10 DeviceNet Usage Licenses
TC-DNLX50	DeviceNet Usage License, 50 DNBs	Adds 50 DeviceNet Usage Licenses
TC-PBLX01	Profibus Usage License, 1 PBIMs	Adds 1 Profibus Usage License
TC-PBLX05	Profibus Usage License, 5PBIMs	Adds 5 Profibus Usage Licenses
TC-PBLX10	Profibus Usage License, 10 PBIMs	Adds 10 Profibus Usage Licenses
TC-PBLX50	Profibus Usage License, 50 PBIMs	Adds 50 Profibus Usage Licenses
EP-EBASE1	Experion eServer Base Software	<ul style="list-style-type: none"> <li>• 50 Experion SCADA Points</li> <li>• 1 Display Builder</li> <li>• 1 Quick Builder</li> <li>• 1 eServer Administration Station</li> <li>• 14 DSA Remote Server Connections</li> <li>• Development System</li> <li>• DSA enabling License</li> <li>• eServer Standard Access, unlimited Users</li> </ul>
EP-ESPREM	eServer Premium Access	Adds 1 Premium Access User

## 2. Sample License

The Experion License Certificate includes all the software options that have been purchased.



# Experion™

## Software License Certificate

<b>System Name</b>	<b>System Name</b>	<b>Date Issued</b> xx-yyy-zzzz
<b>System Number</b>	<b>12345</b>	<b>License Issue</b> x
<b>Authorization Number</b>	<b>xxxx</b>	
<b>Licensee</b>	<b>Name</b>	

This document confirms the licensee named above is licensed by Honeywell to use the following system software and software options according to the Honeywell License Agreement

**System Software** Experion R30X.X

<b>System Sizing</b>	x Experion Process Points x Experion SCADA Points x ACE Simulation Environments x Application Control Environments x C200 Simulation Environments x CAB Developers x Console Stations x DeviceNet Usage Licenses x DSA Remote Server Connections x Fieldbus Usage Licenses x Microsoft Excel Data Exchange Users x OPC Alarm & Event Server CAls x OPC History Data Access CAls x Profibus Usage Licenses x Unit Control Modules	x ACE TPS Enablers x C200 (CEE) Control Solvers x C300 (CEE) Control Solvers x Console Extension Stations x Control Builder Client Licenses x Display Builders x Experion Station TPS Enablers x Flex Stations x Multi-Window Flex Station Options x OPC Data Access Server CAls x OPC Integrator Server Application Instances x Quick Builders
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<b>Option</b>	AB Drive Interface Library Allen-Bradley Integration Bulk Build support Control Builder Template support DSA Enabling License Experion Server TPS Enabler Mettler Toledo JagXtreme Function Block Network Server ODBC Driver OPC Extension Library for ACE Point Control Scheduler Recipe Management Server Redundancy User Scan Task	Alarm Pager Batch Report CDA - AGA Flow Rate Calculation Library Development System Electronic Signature HIWAY output extension library for ACE Mettler Toledo Q.Impact Function Block ODBC Data Exchange On-Process Migration OPC Integrator local transport enabler Qualification and Version Control Server Automation Object UCN output Extension Library for ACE
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<b>Interface</b>	Allen Bradley RSLinx Interface ASEA PLC Interface CDA subsystems interface GE Fanuc API Windows NT Runtime License GEC GEM80 PLC Interface Honeywell DPR Recorders (DPR100,180, 3000) Honeywell RM7800 Flame Safeguard Interface Honeywell Series 9000 Integration Honeywell UDC 3000/5000/6000 Integration Modbus (RTU, Plus, ASCII & TCP) Interface Moore APACS Interface OPC Client Interface Siemens S7 Interface	Allen Bradley Serial Interface Bristol Babcock RTU Interface DNP3 Protocol Interface GE Fanuc Series 90 Interface Hitachi PLC Interface Honeywell L&N Interface (Micromax LPU etc.) Honeywell Safety Manager & FSC Integration Honeywell TDC3000 Data Hiway Integration Honeywell Universal Modbus Interface Moore 351,352,353,383 Interface OPC Advanced Client Siemens S5 & TI via H1 Interface Yamatake MA500 Interface
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### 3. License Details

The following tables cross-reference the Honeywell software model number with the location and description that will appear on the software license certificate. The “Experion License Certificate Location and Description” column includes three sub-columns that represent the three sections in the license certificate where this information is displayed.

#### 3.1. Server Database

##### 3.1.1. Server Base software

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-DBASE1	Experion server Database Base Software	Experion base software. This model name is not listed on the license document but the licensed functions to the right are added into the appropriate section.	<ul style="list-style-type: none"> <li>• 50 Experion Process Points</li> <li>• 50 Experion SCADA Points</li> <li>• 1 Display Builder</li> <li>• 1 Quick Builder</li> <li>• 1 Flex Station</li> <li>• 1 Control Builder Client License</li> </ul>	<ul style="list-style-type: none"> <li>• Development System<sup>2</sup></li> <li>• DSA enabling License<sup>3</sup></li> <li>• Batch Report<sup>4</sup></li> <li>• OPC Integrator local transport enabler<sup>5</sup></li> </ul>	<ul style="list-style-type: none"> <li>• CDA Subsystems interface<sup>6</sup></li> <li>• Honeywell Safety Manager &amp; FSC Integration<sup>7</sup></li> </ul>

- Note 1 – Every Experion server requires base software as a minimum. Do not select a quantity of two when configuring redundant servers.
- Note 2 – The Development System option enables system engineering by Quick Builder, Display Builder and Control Builder client licenses.
- Note 3 – The DSA enabling License enables the server to be subscribed to by other servers.
- Note 4 – Batch Reporting enables integrated reporting of batches or lots of a production process run, to be compiled and archived automatically by the Experion server. This feature used to be a licensed option (R210 and earlier releases) and is now included in the base software.
- Note 5 – The OPC Integrator local transport enabler supports the transportation of data on the local Experion server. This feature used to be a licensed option (R210 and earlier releases) and is now included in the base software.
- Note 6 – The CDA subsystems interface integrates devices that employ Control Data Access (CDA). Examples of these devices include ACE nodes, C200 and C300 controllers, FIMs etc. The CDA subsystem interfaces is included with the base software and was previously named C200 Controller Interface (R210 and earlier releases).
- Note 7 – This feature used to be a licensed option (R210 and earlier releases) and is now included in the base software.

##### 3.1.2. Server TPS Enabler

Model Number	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-SRVTPS <sup>1</sup>	Experion server TPS Enabler	Adding the Experion Server TPS Enabler (EP-SRVTPS) enables the base software to also support TPS points.		Experion Server TPS Enabler	

- Note 1 – Requires EP-DBASE1. An Experion server connected to TPS is also called an ESVT. The ESVT supports TPS points as well as process points and SCADA points. Experion TPS points do not require any additional Experion point licenses.

### 3.2. Point Expansions

#### 3.2.1. Process Point Database Expansions

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-DPR100	100 Process Point Adder to Database Size	Point type used to integrate CDA devices (C200, C300 controllers and ACE Nodes etc.) Only the total number of process points appears on the license as Experion process points. The total number of points displayed on the license includes the 50 process points that are shipped with every Experion server.	Adds 100 Experion Process Points		
EP-DPR01K	1,000 Process Point Adder to Database Size	As above.	Adds 1,000 Experion Process Points		
EP-DPR02K	2,000 Process Point Adder to Database Size	As above.	Adds 2,000 Experion Process Points		
EP-DPR05K	5,000 Process Point Adder to Database Size	As above.	Adds 5,000 Experion Process Points		
EP-DPR10K	10,000 Process Point Adder to Database Size	As above.	Adds 10,000 Experion Process Points		

Note 1 – Points are ordered per server. Select process points when connecting to CDA devices. You may mix process and SCADA points on the server license. Experion uses composite point structures, so the number of points required will not necessarily equal the number of I/O points. Sizing the database properly becomes more involved as Fieldbus, HART, and other technologies are added to the system. Contact your Honeywell representative when estimating database sizing. Ordering the larger number of points reduces the cost per point.

### 3.2.2. SCADA Point Database Expansions

Model Number <sup>1</sup>	Model Name	Description/Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-DSC100	100 SCADA Point Adder to Database Size	Point type used with SCADA interfaces (including the OPC Client Interface and Safety Manager & FSC Interface). Only the total number of SCADA points appears on the license as Experion SCADA points. The total number of points includes the 50 SCADA points that are shipped with every Experion server.	Adds 100 Experion SCADA Points		
EP-DSC01K	1,000 SCADA Point Adder to Database Size	As above.	Adds 1,000 Experion SCADA Points		
EP-DSC02K	2,000 SCADA Point Adder to Database Size	As above.	Adds 2,000 Experion SCADA Points		
EP-DSC05K	5,000 SCADA Point Adder to Database Size	As above.	Adds 5,000 Experion SCADA Points		
EP-DSC10K	10,000 SCADA Point Adder to Database Size	As above.	Adds 10,000 Experion SCADA Points		

Note 1 – Points are ordered per server. Select SCADA points when using SCADA interfaces to communicate to third party devices such as Allen-Bradley PLCs, Bristol-Babcock RTUs, etc. or if you are using the OPC Client Interface or Safety Manager and FSC Interface. You may mix process and SCADA points on the server license. Experion utilizes composite point structures, so the number of points required will not necessarily equal the number of I/O points. Ordering the larger number of points reduces the cost per point.

### 3.2.3. Software License Database Example

For an ESVT (Experion Server with TPS enabler) that requires 1,125 points to be implemented in C300 controllers and 5,300 points for interfacing to PLCs, select the following software as a minimum:

Quantity	Model Name	Description/Comments
1	EP-DBASE1	Experion server Database Base Software (includes 50 process points and 50 SCADA points)
1	EP-SRVTPS	Experion server TPS enabler
1	TC-SWCS30	C300 Control Solver
1	EP-lxxxxx	1 x SCADA Interface (Select required interface)
1	EP-DPR01K	1,000 Process Point Adder to Database Size
1	EP-DPR100	100 Process Point Adder to Database Size
1	EP-DSC05K	5,000 SCADA Point Adder to Database Size
3	EP-DSC100	100 SCADA Point Adder to Database Size

### 3.3. Server Redundancy

#### 3.3.1. Server Redundancy Software

Model Number	Model Name	Description/Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-RBASE1 <sup>1</sup>	Redundancy Base Software	The point count for redundancy is the same as that for the system. Redundancy point count is not separately listed on the license certificate.		Server Redundancy On-Process Migration	
EP-RPR100 <sup>2</sup>	100 Process Points Redundancy Adder	Redundancy point count.	Redundancy point count is not separately listed on the license certificate.		
EP-RPR01K <sup>2</sup>	1,000 Process Points Redundancy Adder	As above.	As above.		
EP-RPR02K <sup>2</sup>	2,000 Process Points Redundancy Adder	As above.	As above.		
EP-RPR05K <sup>2</sup>	5,000 Process Points Redundancy Adder	As above.	As above.		
EP-RPR10K <sup>2</sup>	10,000 Process Points Redundancy Adder	As above.	As above.		
EP-RSC100 <sup>2</sup>	100 SCADA Points Redundancy Adder	As above.	As above.		
EP-RSC01K <sup>2</sup>	1,000 SCADA Points Redundancy Adder	As above.	As above.		
EP-RSC02K <sup>2</sup>	2,000 SCADA Points Redundancy Adder	As above.	As above.		
EP-RSC05K <sup>2</sup>	5,000 SCADA Points Redundancy Adder	As above.	As above.		
EP-RSC10K <sup>2</sup>	10,000 SCADA Points Redundancy Adder	As above.	As above.		

Note 1 – Redundancy software follows the same methodology as selecting the database size. Start by selecting the base software, EP-RBASE1. This option includes redundancy for 50 Process points and 50 SCADA points. (This option does not include an additional Experion Flex Station connection license.) Allows migration of Redundant server and Controllers to the next release of Experion (on-process Migration).

Note 2 – Select the equivalent point adders for redundancy that were chosen for the database. The redundancy point count must match the database point count.

### 3.3.2. Software License Database Example

For a redundant ESVT that requires integration to 2,000 TPS points, 650 C200 controller points and 1,000 Honeywell Safety Manager points, select the following software as a minimum:

Quantity	Model Name	Description/Comments
1	EP-DBASE1	Experion server Database Base Software (includes 50 Process Points and 50 SCADA points)
1	EP-SRVTPS	Experion server TPS enabler
1	EP-RBASE1	Redundancy Base Software
1	TC-SWCS11	C200 Control Solver
6	EP-DPR100	100 Process Point Adder to Database Size
6	EP-RPR100	100 Process Points Redundancy Adder
1	EP-DSC01K	1,000 SCADA Point Adder to Database Size
1	EP-RSC01K	1,000 SCADA Points Redundancy Adder

### 3.4. Distributed System Architecture

#### 3.4.1. Distributed System Architecture software

Model Number	Model Name	Description/Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-XRESR1 <sup>1</sup>	DSA Remote server Enabler	Distributed System Architecture (DSA) is an option that enables multiple Experion servers to share data, alarms, messages, and history without the need for duplicate configuration on any server.	14 DSA Remote Server Connections		
Note 1 – Each Experion server is enabled to publish data in a DSA design and the DSA Enabling License is included in the base license. The only choice required is whether the server will subscribe (connect) to other servers for data and notifications. Order once per Experion server or redundant server pair.					

#### 3.4.2. Software License Database Example

For a redundant server that requires integration to 30 Honeywell Safety Manager points and needs to subscribe to three other redundant Experion servers, select the following software as a minimum.

Quantity	Model Name	Description/Comments
1	EP-DBASE1	Experion server Database Base Software (includes 50 Process Points and 50 SCADA Points)
1	EP-RBASE1	Redundancy Base Software
1	EP-XRESR1	DSA Remote Server Enabler

### 3.5. Station Expansions

#### 3.5.1. Experion Station – Flex (ES-F)

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-STAT01	Experion Station – Flex (1 Connection)	The Experion human interface that utilizes a client-server relationship to present process data to the operator.	Adds 1 Flex Station		
EP-STAT05	Experion Station – Flex (5 Connections)	As above.	Adds 5 Flex Stations		
EP-STAT10	Experion Station – Flex (10 Connections)	As above.	Adds 10 Flex Stations		
EP-SMWIN1	Multi Window Support, per computer platform	This is an option that must be chosen for each Flex Station that requires multiple windows – includes SafeView.	Adds 1 Multi-Window Flex Station Option		

Note 1 – Ordering the larger number of stations reduces the cost per station.

#### 3.5.2. Experion Station – Console (ES-C)

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-STACO1	Experion Station – Console (1 Connection)	The Experion human interface that directly connects to CDA devices for data and alarm and events.	Adds 1 Console Station		
EP-STACO5	Experion Station – Console (5 Connections)	As above.	Adds 5 Console Stations		
EP-STAC10	Experion Station – Console (10 Connections)	As above.	Adds 10 Console Stations		

Note 1 – Each Experion Station – Console includes multiple windows support (including SafeView). Ordering the larger number of stations reduces the cost per station. Requires an FTE network.

#### 3.5.3. Experion Station TPS enabler

Model Number	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-CONTPS	Experion Station TPS Enabler	Option that needs to be added to each ES-C to allow the Station to connect directly to TPS.	Adds 1 Experion Station TPS Enabler		

Note 1 – Requires an ES-C. Requires the use of FTE when connecting to a CDA devices (C200, C300, ACE, etc). An ES-C connected to TPS is also called ES-T. An Experion server does not support a mix of ES-C and ES-T. The ES-T can be configured as a Native Window-only Station. This feature provides native Window without requiring an ESVT. The Experion Station functionality of the ES-T is implemented once an ESVT is added. File transfer is the only supported GUS option when the ES-T is configured as Native Window only.

### 3.5.4. Experion Station – Console Extension (ES-CE)

Model Number	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-STACEX <sup>1</sup>	Experion Station – Console Extension	The Experion human interface that connects to an ES-C (in a similar manner to how an ES-F connects to the Experion server), effectively expanding the operators work space.  The ES-CE can only connect to an ES-C.	Adds 1 Console Extension Station		

Note 1 – Each Experion Station – Console Extension includes multiple windows support (including SafeView).

### 3.5.5. Gus and Native Window options

Model Number	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-RGC000 <sup>1</sup>	GUS remote Displays Client for Experion	Adds 1 GUS remote Displays Client to the ES-CE.	This option is included in the TPS Companion License certificate This option will not appear on the Experion License Document.		
EP-DSS000 <sup>2</sup>	GUS Display Runtime for Experion	Adds 1 GUS Display Runtime to the ES-T.	As above.		
EP-MDS000 <sup>3</sup>	GUS Multiple Displays for Experion	Adds 1 GUS Multiple Display to the ES-T.	As above.		
EP-GPT000 <sup>4</sup>	GUS Display Builder for Experion	Adds 1 GUS Display Builder to the system.	As above.		
EP-RNW000 <sup>5</sup>	Remote Native Window Client for Experion	Adds 1 Remote Native Window Client to the system.	As above		
EP-FLT000 <sup>6</sup>	File Transfer for Experion	Adds 1 File Transfer to the system.	As above		

Note 1 – Available only for an ES-CE that connects to an ES-T. If GUS remote Displays are required on multiple Console Extension Stations, then the GUS remote Displays option needs to be purchased for each Console Extension Station. Requires EP-DSS000.

Note 2 – One required for each ES-T requiring GUS Displays; supports one GUS display and includes the HCI Client add-in package. Also includes Remote GUS Server (only used with ES-CEs that require GUS Remote Displays).

Note 3 – One required per ES-T or ES-CE; up to eight (8) GUS displays can be shown concurrently; includes SafeView;

Note 4 – One per PC; It can run both on-line and off-line; there is no separate license for a GUS Off-line Display

Note 5 – One required per remote node, requires an ES-T as host.

Note 6 – One required per node; Available for ACE-T, ESVT and ES-T.

### 3.6. OPC Connectivity

Model Number	Model Name	Description/Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-OPCCLI <sup>1</sup>	OPC Client Interface	This option is essentially a SCADA interface that utilizes OPC Data Access client functionality. This option also includes the OPC Advanced Client for Data Access and Alarms and Events.			OPC Client Interface OPC Advanced Client
EP-OPCINT <sup>2</sup>	OPC Integrator, per Connection	An open method allowing bi-directional data transfer between two or more systems for the purpose of supervisory monitoring, alarming and control.	Adds 1 OPC Integrator Server Application Instance		
EP-OPCDA1 <sup>3</sup>	OPC Data Access Server, per Connection	Allows OPC Clients to view Experion point data.	Adds 1 OPC Data Access Server CAI		
EP-OPCSAE <sup>4</sup>	OPC Alarm & Event Server, per Connection	Allows OPC Clients to view Experion alarm and events.	Adds 1 OPC Alarm & Event Server CAI		
EP-OPCHDA <sup>5</sup>	OPC History Data Access Server, per Connection	Allows OPC Clients to view Experion history data.	Adds 1 OPC History Data Access CAI		

- Note 1 – This option has to be selected once per Experion server or redundant server pair to integrate with any number of OPC Data Access Servers.
- Note 2 – OPC Integrator is sold on a per "Server Application Instance". A "Server Application Instance or SAI" is defined as an OPC Data Access Server Application whose data is being subscribed to by OPC Integrator on a given machine. This OPC Data Access Server may be on the same or different physical machine as the Experion server. If the same OPC Data Access Server resides on two different physical machines and OPC Integrator is subscribing to data on both machines, this would be classified as two SAIs. If multiple transfer groups are connecting to the same physical machine and OPC Data Access Server, then this is classified as only one SAI. Enabled with all Experion servers is a free OPC Integrator SAI to the Experion OPC Data Access Server on the local machine. This free SAI Instance appears on the Experion license as "OPC Integrator local transport enabler". This OPC Integrator SAI allows for the transportation of data on the local Experion OPC Data Access server i.e. where the source and destination of an OPC Integrator transfer group uses the Experion OPC Data Access Server progID with an IP address of localhost. All other OPC Integrator connections, other than the one just mentioned are licensed. This is a free SAI for OPC Integrator only and does not negate the licensing requirements of the OPC Data Access Server.
- Note 3 – The OPC Data Access Server is sold on a per Client Application Instance. Each OPC Client Application running on a physical node connecting into the Server consumes one Client Application Instance (CAI) for each application. The applications can open multiple physical connections and this still only counts as one CAI for each application. If the same application is running on multiple nodes, one CAI is consumed for each node.
- Note 4 – The OPC Alarm & Event Server is sold on a per Client Application Instance. Each OPC Client Application running on a physical node connecting into the Server consumes one Client Application Instance (CAI) for each application. The applications can open multiple physical connections and this still only counts as one CAI for each application. If the same application is running on multiple nodes, one CAI is consumed for each node.
- Note 5 – The OPC History Data Access Server is sold on a per Client Application Instance. Each OPC Client Application running on a physical node connecting into the Server consumes one Client Application Instance (CAI) for each application. The applications can open multiple physical connections and this still only counts as one CAI for each application. If the same application is running on multiple nodes, one CAI is consumed for each node.

### 3.7. Device Integration

#### 3.7.1. Honeywell Device Integration

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-IHWTDC	Honeywell TDC 3000 Data Hiway Integration	This interface is used in combination with a Data Hiway Bridge or a Data Hiway Ethernet bridge.			Honeywell TDC 3000 Data Hiway Integration
EP-IHWS9K	Honeywell S9000 Integration				Honeywell S9000 Integration
EP-IHW620	Honeywell 620 LCS Serial and Ethernet Interface				Honeywell 620 LCS Serial and Ethernet Interface
EP-IHWUDC	Honeywell UDC 3000/5000/6300 Integration				Honeywell UDC 3000/5000/6300 Integration
EP-IHWMMX	Honeywell Micromax LPU & Video Paperless				Honeywell L&N Interface (Micromax LPU etc.)
EP-IHWDPR	Honeywell DPR Recorders (DPR 100, 180, 3000)				Honeywell DPR Recorders (DPR 100, 180, 3000)
EP-IHWFSG	Honeywell RM7800 Flame Safeguard				Honeywell RM7800 Flame Safeguard
EP-IHUMB	Honeywell Universal Modbus Interface				Honeywell Universal Modbus Interface

Note 1 – Each option only has to be selected once per server or redundant server pair to integrate any number of devices (up to the maximum number of RTUs per server) via that interface.

### 3.7.2. SCADA Interfaces for Third-Party Devices

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-IDNP3P	DNP3 Protocol Interface				DNP3 Protocol Interface
EP-IMDBUS	Modbus (RTU, Plus, ASCII, & TCP) Interface				Modbus (RTU, Plus, ASCII, & TCP) Interface
EP-IABRI1	Allen-Bradley Interface	Includes The Allen-Bradley RSLinx interface and Serial interface. Also provides automatically configured system displays that provide performance and diagnostics information of connected of the AB PLC5 and SLC500 devices. When the RSLinx interface is utilized, RSLinx is required (EP-IRSL25).		Allen-Bradley Integration	Allen Bradley RSLinx Interface Allen-Bradley Serial Interface
EP-IRSL25 <sup>2</sup>	Allen-Bradley RSLINX Software	Typically used when connecting AB PLC's to the Experion server.	This is third party software and is not licensed on the Experion server; this will not appear on the Experion license certificate		
EP-IGES90	GE Fanuc Series 90 PLC via Ethernet (requires EP-IGEAPI)				GE Fanuc Series 90 Interface
EP-IGEAPI	GE API License				GE Fanuc API Windows NT Runtime License
EP-ISMNS5	Siemens S5/S7 & TI PLC Via H1 / TF API				Siemens S5 Interface Siemens S7 Interface
EP-IAPLCM	Applicom Interface				Applicom Interface
EP-IGEM80	GEC GEM80 PLC Interface				GEC GEM80 PLC Interface
EP-IYTMA5	Yamatake MA500 Interface				Yamatake MA500 Interface
EP-IBRTU	Bristol Babcock RTU Interface				Bristol Babcock RTU Interface
EP-IMR35X	Moore 351, 352, 353, 383 Interface				Moore 351, 352, 353, 383 Interface
EP-IHTCHI	HITACHI Interface				Hitachi PLC Interface
EP-IASEAI	ASEA Interface				ASEA PLC Interface
EP-IMAPAC	Moore APACS Interface				Moore APACS Interface
<p>Note 1 – Each option only has to be selected once per server or redundant server pair to integrate any number of devices (up to the maximum number of RTUs per server) via that interface.</p> <p>Note 2 – RSLinx is available in a variety of packages with varying degrees of functionality. The package provided with this model number is the RSLinx OEM version.</p>					

### 3.8. Applications

#### 3.8.1. Application Enablers

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-AERMGR	Recipe Manager	Recipe Management provides facilities to create simple recipes (a collection of parameter values) and download them to nominated process units.		Recipe Management	
EP-AESHED	Point Control Scheduler	The Scheduler option allows supervisory point control to be automatically scheduled to occur at a specified time.		Point Control Scheduler	

Note 1 – Each option only has to be selected once per server or redundant server pair.

#### 3.8.2. Alarm pager

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-AEPAGE	Alarm Pager	The Alarm Pager option provides the ability to page, SMS or email Experion operational and system alarms.		Alarm Pager	

Note 1 – This option has to be selected once per server or redundant server pair.

#### 3.8.3. Application Development

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-AEAPD1	Application Development Toolkit	Includes two application-programming interfaces (API), the Network Server component (used for Custom Applications, etc.) and an ODBC Driver. Also includes ODBC Data Exchange.		<ul style="list-style-type: none"> <li>• Server Automation Object</li> <li>• User scan task</li> <li>• ODBC Data Exchange</li> <li>• ODBC Driver</li> <li>• Network Server</li> </ul>	

Note 1 – This option only has to be selected once per server or redundant server pair.

**3.8.4. Microsoft Excel Data Exchange**

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-AEED1	Microsoft Excel Data Exchange, per User	Enables capture of real-time point parameter and history information, and displays the data in a Microsoft Excel spreadsheet, using cell formulas or the Microsoft Excel Data Exchange Wizard. Microsoft Excel must be purchased separately.	Adds 1 Microsoft Excel Data Exchange User		

Note 1 – Licensed on a per user basis. In general, a “user” is a third party application, unless multiple applications run on one PC, in which case they are counted as one user.

**3.8.5. 21 CFR Part 11 Option**

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-ESIG01	Electronic Signature Option	The Electronic Signatures option is specifically designed to support users that must meet the requirements of 21 CFR Part 11 such as the pharmaceutical industry. However, it is also useful to any user requiring the ability to trace all operator actions. The electronic signature option allows for operator actions, such as acknowledging a message or controlling a point, to require one or more electronic signatures to complete the action.		Electronic Signature	

Note 1 – This option only has to be selected once per server or redundant server pair.

### 3.9. Engineering Tools

Model Number	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-TQBLDR <sup>1</sup>	Quick Builder – SCADA database builder	Allows users to configure points, communication links to controllers/RTUs, stations and printers.	Adds 1 Quick Builder		
EP-TDSPBD <sup>1</sup>	Display Builder	Allows users to create and edit HMIWeb displays (html) using the HMIWeb Display Builder tool or legacy displays (dsp) using the Display Builder tool (1 license supports user utilizing one instance of each tool)	Adds 1 Display Builder		
TC-SWCB31 <sup>1</sup>	CB10 Control Builder Client License	Enables the configuration of control strategies in CDA devices such as C200, C300 and ACE.	Adds 1 Control Builder Client License		
TC-CADL01 <sup>2</sup>	CAB Developer	Enables the configuration of custom algorithm blocks (CAB) in the ACE.	Adds 1 CAB Developer		
<p>Note 1 – One client license is included in the Experion base software license.</p> <p>Note 2 – Requires a Control Builder Client License.</p>					

### 3.10. Controller Software

#### 3.10.1. C200/C300/ACE Controller

Model Number	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
TC-SWCS11 <sup>1</sup>	CS01 Control Solver 50 msec CDA (license only)	C200 Process Controller software, a level 1 embedded controller (optionally redundant) based on a flexible, compact, chassis-based I/O family with optional Remote Termination Panels.	Adds 1 C200 (CEE) Control Solver		
TC-SWCS21 <sup>1</sup>	CS02 Control Solver 5 msec CDA (license only)	As above.	Adds 1 C200 (CEE) Control Solver		
TC-SWCS30 <sup>1</sup>	C300 Control Solver 50 msec CDA (license only)	C300 Process Controller software, a level 1 embedded controller (optionally redundant) based on vertical designed Series C compact footprint with integrated wiring terminations.	Adds 1 C300 (CEE) Control Solver		
TC-SWSC01 <sup>2</sup>	ACE Base Software License	Application Control Environment (ACE) is a level 2 control platform based on a server grade PC.	Adds 1 Application Control Environment		
<p>Note 1 – One CS01, CS02 or C300 license is required for each individual operating C200 or C300 Control Processor or Redundant Control Processor pair.</p> <p>Note 2 – Requires a dedicated computer.</p>					

#### 3.10.2. ACE TPS Enabler

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-ACETPS	ACE TPS Enabler	Option that needs to be added to an Experion ACE to allow the ACE to be connected to TPS. This license supports implementation and usage of both AM functionality and ACE on the same node platform.	Adds 1 ACE TPS Enabler		
<p>Note 1 – Requires TC-SWSC01, TC-OPCL01 (OPC extension library) and an LCN-connected Honeywell computer platform. The ACE that is connected to TPS is also called ACE-T.</p>					

### 3.11. Control Libraries

#### 3.11.1. Control Builder Libraries

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
TC-AGAL02	AGA Flow Rate Calculation Library	The AGA Flow Rate Calculation Library provides the ability to normalize gas flow based on ambient temperature, pressure and composition of a gas. Calculations are based upon reference C code  (Version 1.3, July 1997) provided by AGA (copyright © 1992-1995 Starling Associates, Inc.)		CDA - AGA Flow Rate Calculation Library	
TC-ABDL02	Allen Bradley Drive Interface Library	Allen-Bradley Drive Interface Library provides the ability to interface directly with Allen-Bradley variable speed drives, making a PLC as an intermediate device unnecessary.		AB Drive Interface Library	
TC-MTJXL1	METTLER TOLEDO JagXtreme Scale Interface Library	The JagXtreme interface license allows the Mettler Toledo JaXtreme terminal to be tightly integrated with the Experion controller.		Mettler Toledo JagXtreme Function Block	
TC-MTQML1	METTLER TOLEDO Q.iMPACT Interface Library	The Q.iMPACT interface license allows the Mettler Toledo Q.iMPACT material and transfer controller to be tightly integrated with the Experion controller.		Mettler Toledo Q.Impact Function Block	

Note 1 – These options only have to be selected once per server or redundant server pair.

### 3.11.2. ACE Control Libraries

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
TC-OPCL01	OPC Extension Library	Used to connect the ACE node to an external OPC server.		OPC Extension Library for ACE	
TC-UCNL01	UCN Output Extension Library	Used to create cascade connections to UCN resident controllers through the LCN connected Network Interface Module (NIM).		UCN output Extension Library for ACE	
TC-HWIL01	Hiway Output Extension Library	Used to create cascade connections to Hiway resident controllers through the LCN connected Hiway Gateway (HG).		HIWAY output extension library for ACE	

Note 1 – These options only have to be selected once per server or redundant server pair.

### 3.12. Template Support

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
TC-TMP0BS	Configuration Template Support Base Software	Supports the creation of Control Modules based on predefined templates. Modifications in the template will be propagated to the derived Control Modules.		Control Builder Template support	
TC-TMP100	100 Point Configuration Template Support	Template point count.	The number of licensed points will be the same as the number of process points you have selected. The license will only show the model name as shown and will not show the point adders.		
TC-TMP01K	1,000 Point Configuration Template Support	As above.	As above.		
TC-TMP02K	2,000 Point Configuration Template Support	As above.	As above.		
TC-TMP05K	5,000 Point Configuration Template Support	As above.	As above.		
TC-TMP10K	10,000 Point Configuration Template Support	As above.	As above.		

Note 1 – Select the equivalent point adders for control builder template support that were chosen for the process points database. The point count must exactly match that of the database process point count.

### 3.13. Qualification and Version Control System Support

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
TC-QVC0BS	Qualification and Version Control System Base software	Simplifies FDA validation by defining and enforcing a user defined development life cycle for Experion CDA devices in addition to the version control which includes version management, a version repository, and supports an audit capability.		Qualification and Version Control	
TC-QVC100	100 Point Qualification & Version Control System	QVCS point count.	The number of licensed points will be the same as the number of process points you have selected. The license will only show the model name as shown and will not show the point adders.		
TC-QVC01K	1,000 Point Qualification & Version Control System	As above.	As above.		
TC-QVC02K	2,000 Point Qualification & Version Control System	As above.	As above.		
TC-QVC05K	5,000 Point Qualification & Version Control System	As above.	As above.		
TC-QVC10K	10,000 Point Qualification & Version Control System	As above.	As above.		
Note 1 – Select the equivalent point adders for Qualification and Version Control System Support that were chosen for the process points database. <u>The point count has to exactly match that of the database process point count.</u> Not available for TPN points.					

### 3.14. Bulk Build Support

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
TC-BBD0BS	Base Bulk Build Support	Bulk Build Support is Control Builder functionality that provides support for rapid replication for tagged objects: CMs, SCMs, IOMs, and FIMs and their contained component objects. Bulk Build support is licensed per server, the number of instances does not matter.		Bulk Build support	
TC-BBD100	100 point Bulk Build Support	Bulk Build point count.	The number of licensed points will be the same as the number of process points you have selected. The license will only show the model name as shown and will not show the point adders.		
TC-BBD01K	1,000 point Bulk Build Support	As above.	As above.		

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
TC-BBD02K	2,000 point Bulk Build Support	As above.	As above.		
TC-BBD05K	5,000 point Bulk Build Support	As above.	As above.		
TC-BBD10K	10,000 point Bulk Build Support	As above.	As above.		

Note 1 – Select the equivalent point adders for bulk build support that were chosen for the process points database. The point count has to exactly match that of the database process point count. Not available for TPN points.

### 3.15. Unit Control Module

Model Number <sup>1</sup>	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
TC-UCML02	Unit Control Module License, 2 UCM	This license enables the usage of 1 Unit Control Module in an Experion system.	Adds 2 Unit Control modules		
TC-UCML05	Unit Control Module License, 5 UCM	This license enables the usage of 5 Unit Control Modules in an Experion system.	Adds 5 Unit Control modules		
TC-UCML10	Unit Control Module License, 10 UCM	This license enables the usage of 10 Unit Control Modules in an Experion system.	Adds 10 Unit Control modules		
TC-UCML50	Unit Control Module License, 50 UCM	This license enables the usage of 50 Unit Control Modules in an Experion system.	Adds 50 Unit Control modules		

Note 1 – Supported for both the C300 Controller and ACE node. The UCM point count does NOT have to match the database process point count.

### 3.16. Simulation

Model Number	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
TC-SIMC21 <sup>1</sup>	C200 Simulation Control environment	Adds one SIM-C200 for strategy checkout purposes.	Adds 1 C200 Simulation Environment		
TC-SIMAC1 <sup>2</sup>	ACE Simulation Control Environment	Adds one SIM-ACE for strategy checkout purposes.	Adds 1 ACE Simulation Environment		

Note 1 – Each SIM-C200 connected to an Experion server counts as one of the available controller connections.  
 Note 2 – Each SIM-ACE connected to an Experion server counts as 1 of the available ACE connections.

### 3.17. Foundation Fieldbus, DeviceNet and Profibus Interfaces

#### 3.17.1. Foundation Fieldbus interface

Model Number	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
TC-FFLX01	Fieldbus Usage License, 1 FIM	This license enables the use of 1 Fieldbus interface module in an Experion system.	Adds 1 Fieldbus Usage License		
TC-FFLX05	Fieldbus Usage License, 5 FIMs	This license enables the use of 5 Fieldbus interface modules in an Experion system.	Adds 5 Fieldbus Usage Licenses		
TC-FFLX10	Fieldbus Usage License, 10 FIMs	This license enables the use of 10 Fieldbus interface modules in an Experion system.	Adds 10 Fieldbus Usage Licenses		
TC-FFLX50	Fieldbus Usage License, 50 FIMs	This license enables the use of 50 Fieldbus interface modules in an Experion system.	Adds 50 Fieldbus Usage Licenses		

#### 3.17.2. DeviceNet Bridge Interface

Model Number	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
TC-DNLX01	DeviceNet Usage License, 1 DNB	This license enables the use of 1 Devicenet interface module in an Experion system.	Adds 1 DeviceNet Usage License		
TC-DNLX05	DeviceNet Usage License, 5 DNBs	This license enables the use of 5 Devicenet interface modules in an Experion system.	Adds 5 DeviceNet Usage Licenses		
TC-DNLX10	DeviceNet Usage License, 10 DNBs	This license enables the use of 10 Devicenet interface modules in an Experion system.	Adds 10 DeviceNet Usage Licenses		
TC-DNLX50	DeviceNet Usage License, 50 DNBs	This license enables the use of 50 Devicenet interface modules in an Experion system.	Adds 50 DeviceNet Usage Licenses		

**3.17.3. Profibus Interface**

Model Number	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
TC-PBLX01	Profibus Usage License, 1 PBIMs	This license enables the usage of 1 Profibus interface module in an Experion system.	Adds 1 Profibus Usage License		
TC-PBLX05	Profibus Usage License, 5PBIMs	This license enables the usage of 5 Profibus interface modules in an Experion system.	Adds 5 Profibus Usage Licenses		
TC-PBLX10	Profibus Usage License, 10 PBIMs	This license enables the usage of 10 Profibus interface modules in an Experion system.	Adds 10 Profibus Usage Licenses		
TC-PBLX50	Profibus Usage License, 50 PBIMs	This license enables the usage of 10 Profibus interface modules in an Experion system.	Adds 50 Profibus Usage Licenses		

### 3.18. Microsoft Licenses

Model Number	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-S03CAL <sup>1</sup>	Microsoft Windows Server 2003 5 Client Access License	Microsoft Windows 2003 client licensing component.	This is third-party software and is not licensed through the Experion server software; this will not appear on the Experion license certificate.		
MZ-SQLCL2	Microsoft SQL Client Access License	Microsoft SQL client licensing component.	As above.		
EP-T03CAL <sup>3</sup>	Windows 2003 Terminal Services CAL	Microsoft Windows 2003 Terminal Services client licensing component.	As above.		
<p>Note 1 – Windows 2003 Server Client Access Licenses are required when ordering a server. All servers require Windows Server 2003. A CAL is required for any computer node that is connecting to the Experion server, i.e. any Stations (all types), ACE nodes, simulation nodes and other computer nodes. Each server computer platform shipped from the Phoenix factory includes the Windows 2003 Server OS and required CAL licenses.</p> <p>Note 2 – SQL Server is bundled with the Experion software. Add the appropriate number of SQL Server Client Access Licenses with each system. The quantity of SQL Server licenses = Base + Redundancy software, if applicable + # additional operator stations.</p> <p>Note 3 – A Remote Engineering and Station Server enables you to provide remote access to Station and Experion configuration tools on remote devices that have not had Experion Station or other Experion components installed. This node runs Terminal Services and each remote connection requires both a server Device CAL and a Terminal Server CAL.</p>					

## 4. Experion eServer

The following tables cross-reference the Honeywell software model number with the location and description that appears on the software license certificate. The “Experion License Certificate Location and Description” column includes three sub-columns that represent the three sections in the license certificate where this information is displayed.

### 4.1. Base Software

Model Number	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-EBASE1	Experion eServer Base Software	Experion eServer base software. This model name is not listed on the license document but the licensed functions to the right are added into the appropriate section.	<ul style="list-style-type: none"> <li>• 50 Experion SCADA Points</li> <li>• 1 Display Builder</li> <li>• 1 Quick Builder</li> <li>• 1 eServer Administration Station</li> <li>• 14 DSA Remote Server Connections</li> </ul>	<ul style="list-style-type: none"> <li>• Development System</li> <li>• DSA enabling License</li> <li>• eServer Standard Access, unlimited Users</li> </ul>	

### 4.2. Experion eServer Options

Model Number	Model Name	Description/ Comments	Experion License Certificate Location and Description		
			System Sizing	Option	Interface
EP-ESPREM	eServer Premium Access	Provides a dynamic connection that displays live updating Experion custom displays, trends and reports.	Adds 1 Premium Access User		
EP-TDSPBD	Display Builder	Allows users to create and edit HMIWeb displays (html) using the HMIWeb Display Builder tool or legacy displays (dsp) using the Display Builder tool (1 license supports a user utilizing one instance of each tool)	Adds 1 Display Builder		

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