



THE REYNOLDS  
COMPANY  
ELECTRICAL SUPPLY



**MID-COAST**  
ELECTRIC SUPPLY

*An Affiliate of The Reynolds Company*

Learning Series

---

# Product Selection and Configuration Tools

June 2023

# Online Technical Seminars

Register to receive a calendar invite



## Tech Talks

Month	Description
January 25 <sup>th</sup>	Grace Technologies – GraceSense
February 22 <sup>nd</sup>	Industrial CyberSecurity with Claroty
March 29 <sup>th</sup>	CyberSecurity with CrowdStrike
April 26 <sup>th</sup>	Automation Weighing Best Practices with Mettler Toledo
May 24 <sup>th</sup>	Cable Cleats for Short Circuit Protection with Panduit
June 21 <sup>st</sup>	VFD Cables: Essential or Overkill presented by Southwire
<a href="https://www.reynoldsonline.com/training-and-events/techtalks">https://www.reynoldsonline.com/training-and-events/techtalks</a>	

## Learning Series

Month	Description
January 12 <sup>th</sup>	Automation Update
February 23 <sup>rd</sup>	FactoryTalk Design Hub
March 16 <sup>th</sup>	Networks and Security Update
April 20 <sup>th</sup>	Micro800 Update
May 18 <sup>th</sup>	Networking Topologies, Resiliency & Best Practices
June 15 <sup>th</sup>	Rockwell Automation Product Selection & Configuration Tools
<a href="https://www.reynoldsonline.com/training-and-events/learning-series">https://www.reynoldsonline.com/training-and-events/learning-series</a>	

Visit our Resources page on [reynoldsonline.com](https://www.reynoldsonline.com)

# Automation Fair 2023

Boston – November 6<sup>th</sup> – 9<sup>th</sup>



## Keynotes

Energize, engage, inspire

Open to all-attendees

Mix of Rockwell leaders, partners, customers and 3<sup>rd</sup> party speakers

3 days (Tues-Thurs)



## Expo

Show floor built around the customer journey

Heightened focus on new product launches, introduction of discovery theaters

Formalized tour program

2 days (Wed/Thurs)



## Sessions

Industry forums, what's new and info talks, panels, customer stories and partner solutions

Introductory-level technical training and labs

Create your personalized agenda by persona, industry, topic

4 days (Mon-Thurs)



## Advanced Training

(include Professional Development Hour credits)

All sessions that offer PDH certificates

Advanced-level hands-on labs and product & technology training

ROKLive, Process Solutions User Group and Automation Fair technical content

4 days (Mon-Thurs)

Visit our Resources page on [reynoldsonline.com](https://reynoldsonline.com)

# Our Presenters

**Mike Masterson**

Automation Specialist  
The Reynolds Company

**Brian Mikeska**

Automation Specialist  
The Reynolds Company

**David Nute**

Automation Specialist  
The Reynolds Company

**Neal Kucinski**

Automation Specialist  
Mid-Coast Electric

# Product Selection Toolbox (PST)



expanding human possibility®

# Product Selection Toolbox (PST)

## Includes many items:

- Integrated Architecture Builder (IAB)
  - Process System Estimator (PSE)
- ProposalWorks (PW)
- CrossWorks (within PW)
- MCS Star
- Safety Automation Builder
- Current Program Updater

**Located within the Rockwell Automation folder  
after installation**




# Where can I get the Product Selection Toolbox?

## Option 1

- Click <http://raiseinstall.rockwellautomation.com/pst-lite.html> to start the download immediately.

## Option 2

- Start at <https://www.rockwellautomation.com/en-us/support/product/product-selection-configuration/control-systems-configuration-tools.html>
- Scroll down to **Integrated Architecture Builder** section.



TOOL

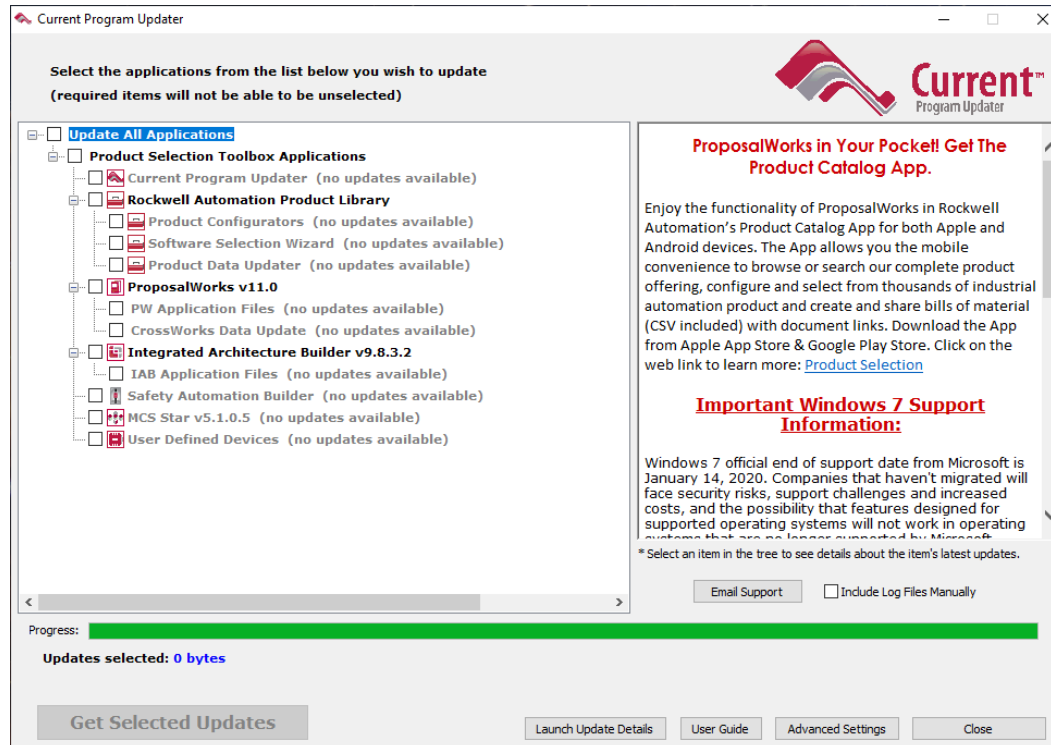
### Product Selection Toolbox

The Product Selection Toolbox is a collection of product selection and system design software tools that help you select Allen-Bradley products and design application solutions.

[Download Now](#)

# After Install Run the Current Program Updater

Ensure you have the most up to date catalog numbers, lifecycle information, pricing, and configuration tools by updating with Current Program Updater until you see “(no updates available)” under every category of software installed



The advertisement features a man in a blue suit pointing at a glowing wrench and screwdriver icon. Below the image, the text reads: 'TOOL Product Selection Toolbox The Product Selection Toolbox is a collection of product selection and system design software tools that help you select Allen-Bradley products and design application solutions. Download Now'.



# ProposalWorks (PW)



expanding human possibility<sup>®</sup>

# Quickly Find Budgetary Pricing for BOMs

Paste BOMs from Excel, CSV, or TSV with quantity left of catalog (with or without hyphens)

1	1756-IB16
5	1756-IB16D
10	1756-IB16DK
5	1756-IB16I
6	1756-IB16IF
7	1756-IB16IFK
2	1756-IB16IK
1	1756-IB16K
9	1756-IB32
8	1756-IB32K



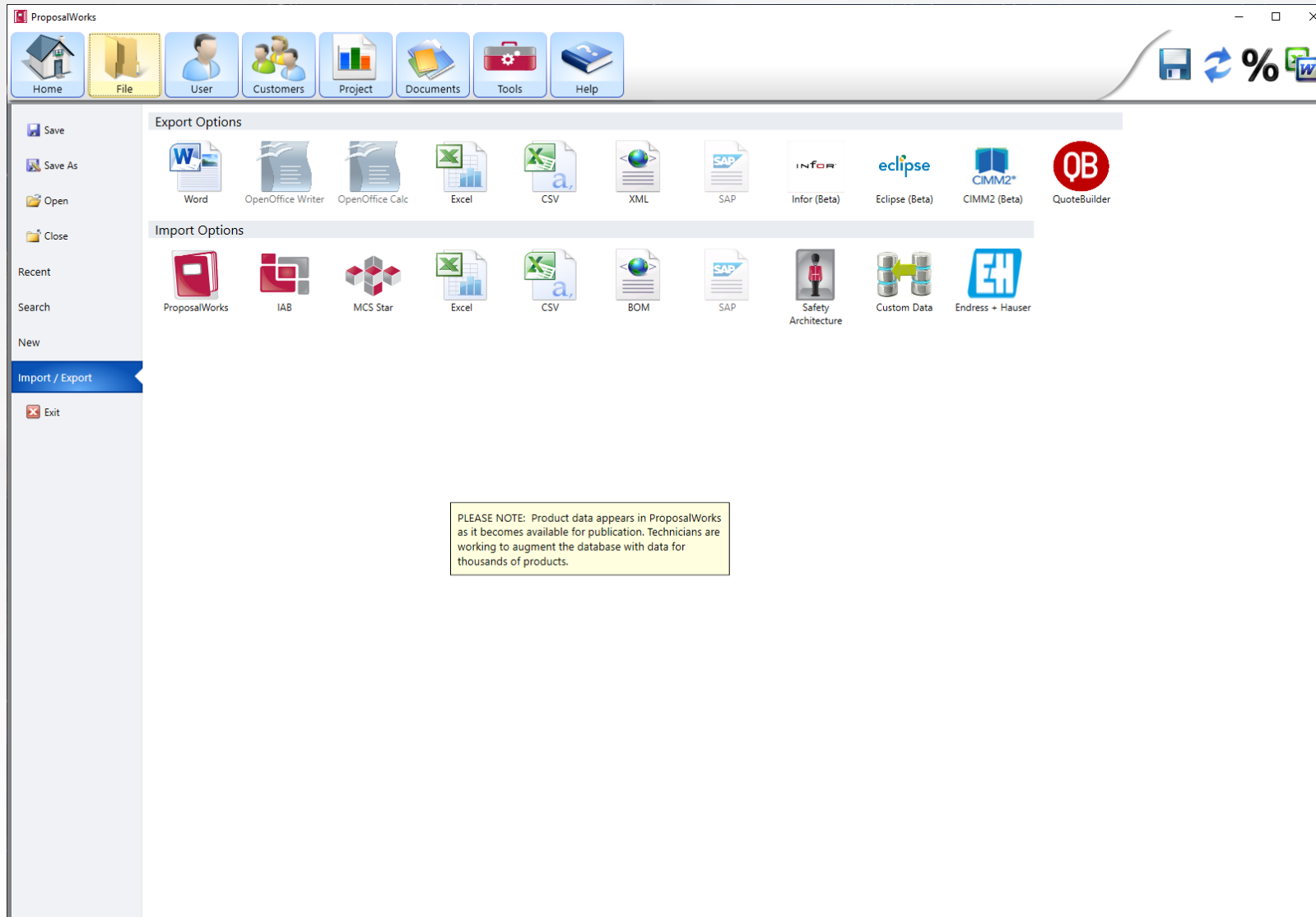
The screenshot shows the ProposalWorks software interface. On the left is a navigation tree with categories like 'RAISE Product Library', 'Rockwell Automation', 'Safety', etc. The main area displays a list of 10 items, each with a quantity selector, image availability, description, status, lead time, and pricing table. The total price is \$41,983.11.

Item #	Item Name	Quantity	Unit Price	Unit Cost	Unit Margin	Total Price	Total Cost	Total Margin
1	1756-IB16	1	\$571.99	\$571.99	0.00%	\$571.93	\$571.93	\$0.00
5	1756-IB16D	5	\$965.91	\$965.91	0.00%	\$4,829.55	\$4,829.55	\$0.00
10	1756-IB16DK	10	\$1,061.55	\$1,061.55	0.00%	\$10,615.50	\$10,615.50	\$0.00
5	1756-IB16I	5	\$884.57	\$884.57	0.00%	\$4,422.85	\$4,422.85	\$0.00
6	1756-IB16IF	6	\$785.43	\$785.43	0.00%	\$4,712.58	\$4,712.58	\$0.00
1	1756-IB16IFK	1	\$866.33	\$866.33	0.00%	\$866.33	\$866.33	\$0.00
2	1756-IB16IK	2	\$972.23	\$972.23	0.00%	\$1,944.46	\$1,944.46	\$0.00
1	1756-IB16K	1	\$623.92	\$623.92	0.00%	\$623.92	\$623.92	\$0.00
9	1756-IB32	9	\$752.39	\$752.39	0.00%	\$6,771.51	\$6,771.51	\$0.00
8	1756-IB32K	8	\$828.06	\$828.06	0.00%	\$6,624.48	\$6,624.48	\$0.00

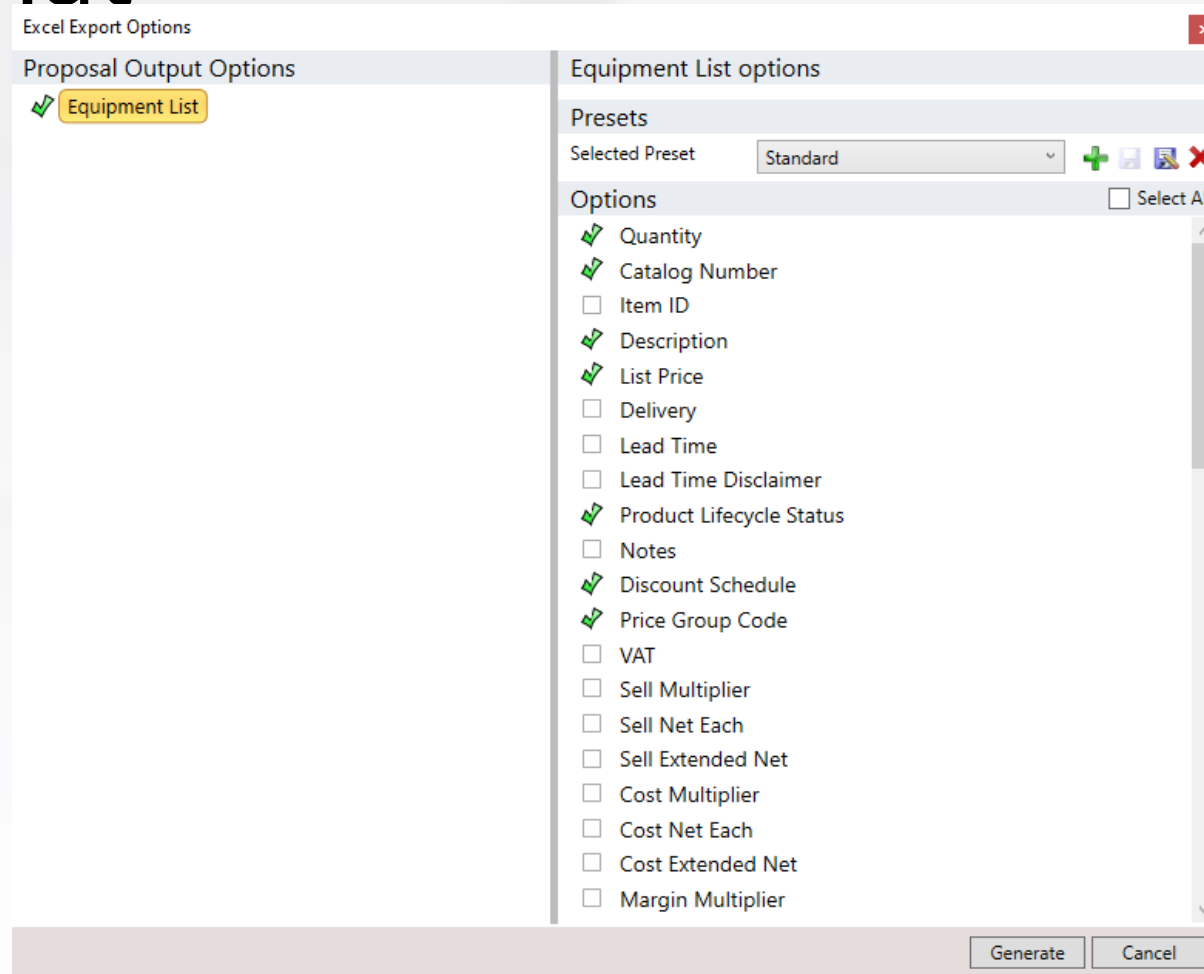
# Quickly Find Relevant Documentation for BOMs

The screenshot displays the ProposalWorks software interface. At the top, there is a navigation bar with icons for Home, File, User, Customers, Project, Documents, Tools, and Help. Below this, there are tabs for Proposal Outline, My Products, and Product Library. The main content area is divided into three sections: Product Supplements, Document Library, and Custom Library. The Product Supplements section is currently active, showing a list of available product supplements. The list is organized into a tree structure under the heading 'Supplements'. The first level is 'Equipment List', which is expanded to show a list of product codes and their associated documentation types. The documentation types include Product Profile (view only), Selection Guide (view only), and Product Details. The product codes listed are 1756-IB16, 1756-IB16D, 1756-IB16DK, 1756-IB16I, 1756-IB16IF, 1756-IB16IFK, 1756-IB16IK, 1756-IB16K, 1756-IB32, and 1756-IB32K. A 'Keyword Filter' input field is located above the list. A yellow banner at the top of the Product Supplements section reads 'Drag supplements or groups of supplements into your proposal outline'.

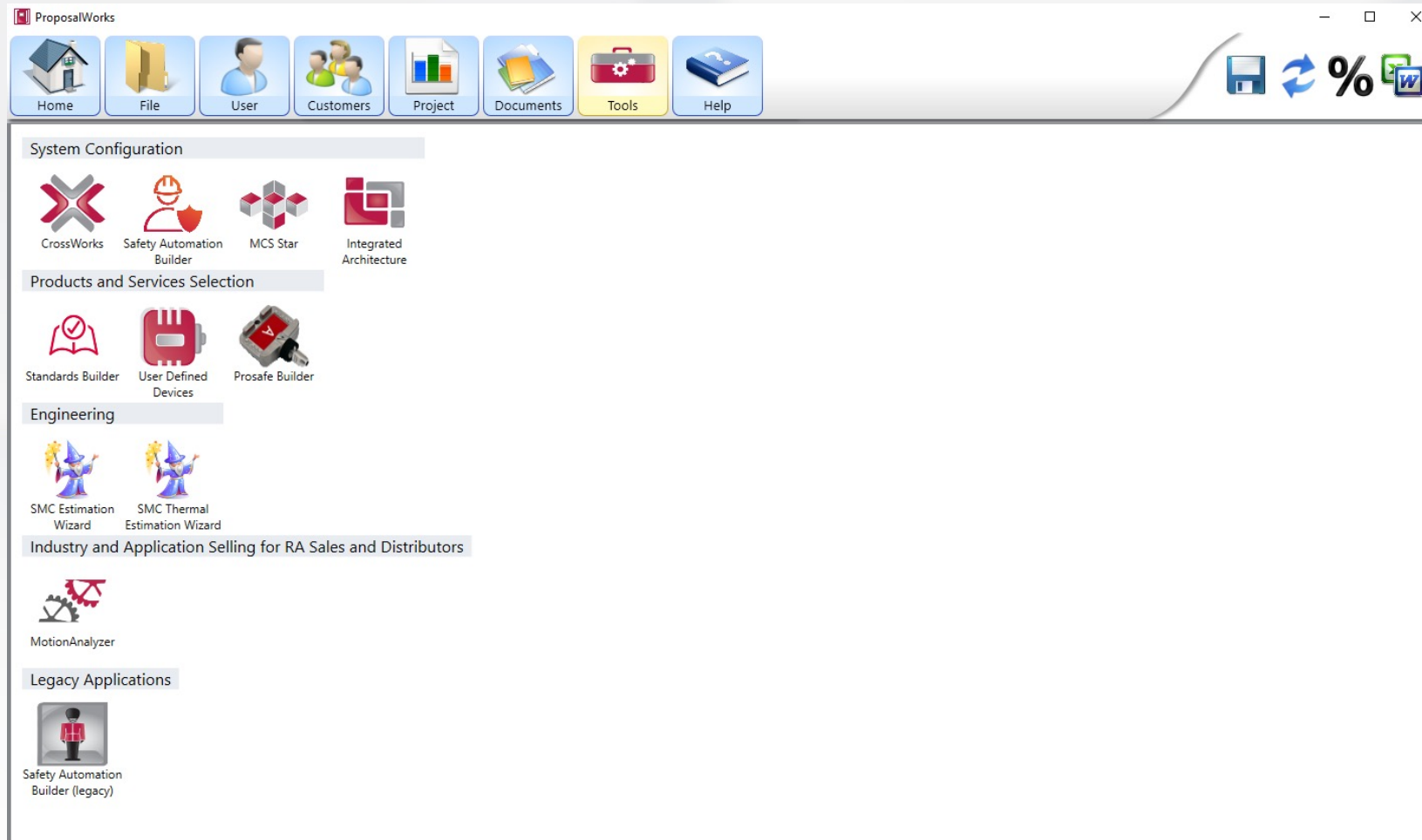
# Export to / Import from various filetypes



# Adjust Export BOMs as needed to match your custom format



# Links under Tools for formerly external software



# CrossWorks

Cross competitor or old RA part numbers to current Rockwell catalogs

CrossWorks

Workspace Pending Requests Closed Requests About Crossworks

Search for Cross Reference

Status	Source	Competitor or Old RA Part Number	Manufacturer	Category	Competitor/Old RA Part Description	RA Catalog Number	RA Product Note	RA Product Description	
✓	Rockwell	WDU6	Weidmueller	Terminal Blocks and...		1492-J10		1492-J IEC Terminal Block, One-C...	
✓	Rockwell	WDU2.5	Weidmueller	Terminal Blocks and...		1492-J3		1492-J IEC Terminal Block, One-C...	
✓	Rockwell	2400184	Phoenix	Terminal Blocks and...		SEE NOTES	NO AB EQUIVALENT		
✗		2703981							Edit
									Edit

Accept and Return Close without saving

New Cross Reference

### Request Cross Reference

Information below will be used to find the best RA Catalog Number match. Please enter competitor part number and description. Notes will help us to better understand the application. When completed, select manufacturer. If the manufacturer is not in the list, please fill in the manufacturer notes field and add a reference link if possible.

Competitor Data Rockwell Data Summary

#### Competitor Part

Part Number \*

Find Reference  Reference Link

Description

Notes

#### Manufacturer Selection

Manufacturer \*  Reference Link

Notes \*

**\* Please fill in required field**

Cancel Previous Next

# Videos / Lab / Help Files

The screenshot shows the ProposalWorks application window with the 'Videos' section selected in the left sidebar. The top navigation bar includes icons for Home, File, User, Customers, Project, Documents, Tools, and Help. A 'Video Filter' search box is located above the video thumbnails. The main content area displays a grid of video thumbnails with titles and brief descriptions:

- Product Library - Basic Selection**: How to choose products and add them to your bill of material
- Equipment List - Headers and Subtotals**: How to organize your equipment list
- Import**: How to import from Excel
- Export**: How to export to Word and Excel
- Product Library - Favorites**: How to add favorite configurators to get back to quickly in the product library
- Project - Prior Price Date**: How to set a prior price date to get historical pricing
- Documents and Supplements**: How to access documents and supplements

The screenshot shows the ProposalWorks application window with the 'Documents' section selected in the left sidebar. The top navigation bar is identical to the previous screenshot. A 'Document Filter' search box is located above the document thumbnails. The main content area displays a grid of document thumbnails with titles and brief descriptions:

- ProposalWorks Overview**: This is an overview of common screens you will come across in ProposalWorks.
- ProposalWorks Support Guide**: See common issues with ProposalWorks and some self-help tricks that are most common.
- Version 10.0 FAQ**: "Common questions about the features released as part of Version 10.0"
- Productos Primarios - Preguntas Frecuentes**: "Preguntas frecuentes de ProposalWorks 9.0 y productos primarios"
- CrossWorks User Guide**: "An extensive overview of CrossWorks functionality, requirements and general information"
- Primary Product FAQ**: "More information on Primary Products in ProposalWorks"
- Discounting - Apply Agreements User Guide**: "Learn all about the different ways to automatically apply discounts to your BOM"
- Applying Agreements in ProposalWorks Quick Start Guide**: "Tips on how to get agreements in ProposalWorks working quickly"
- Discounting - Lab to demonstrate agreements**: "Interactive session to guide users through first time usage of agreement functionality"
- Discounting - Sample Discount Level File**: "Use this file as a template and to demonstrate how to copy and paste bulk data into Discount Tables"
- Discounting - Sample Agreement File**: "Use this file as a template and to demonstrate how to import an agreement file directly into ProposalWorks while maintaining the data in Excel"
- Packaged Solutions Guide**: "This guide is intended to assist users in the steps needed to select a specialized Packaged Solution and submit a quote."
- Customers - Customer Data**: "This help topic covers functionality in the Customer tab that includes importing customer data, saving an Excel file in comma delimited format, importing contacts from a CSV file, and editing customer data."
- Customers - Import Template CSV**: "This document is the actual template for importing customers to ProposalWorks. Keep the column headers, add your data and then save it as a CSV. Then import your data in the Customer dialog"
- Documents - Modifying Document Libraries**: "This help topic covers adding items from the Sample Library, adding items from Windows Explorer, and removing items from the Custom Library."
- Documents - Personalizing Documents**: "This section contains a Personalized Document example, Keyword Assistant guidance, and tips on saving and editing Personalized Documents."



# Integrated Architecture Builder (IAB)



expanding human possibility<sup>®</sup>

# Many Resources Exist for IAB

- Quick Starts
- Labs
- Online Videos
- Sample Projects
  - Located at C:\Program Files (x86)\PST\RA\_IAB\Samples
- Wizards
- Process System Estimator



**Rockwell Automation**  
**INTEGRATED ARCHITECTURE BUILDER**

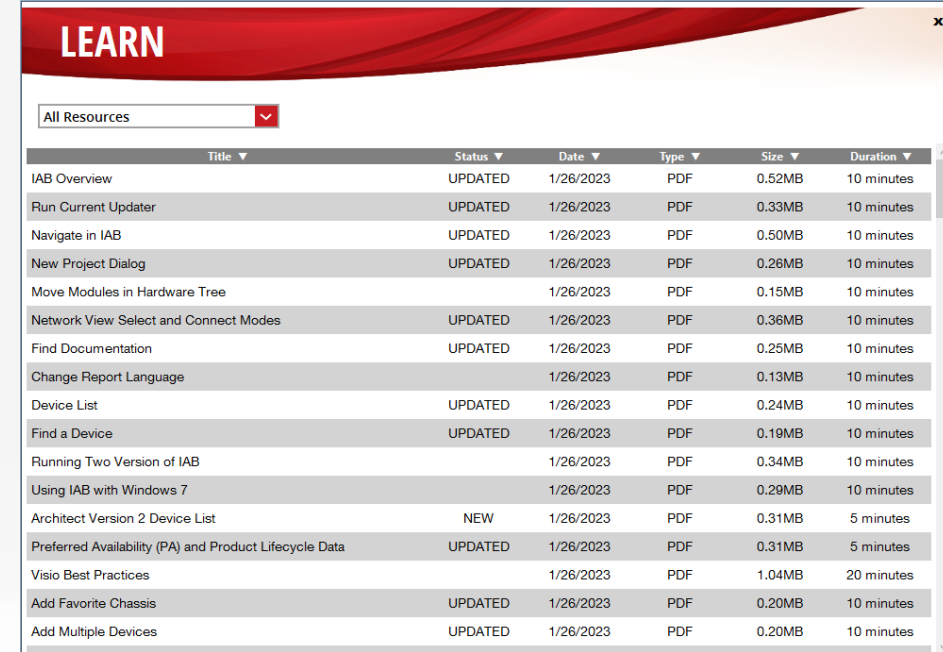
**Create**  
New Project

**Open**  
Existing Project  
Sample Project  
IAB Mobile Project

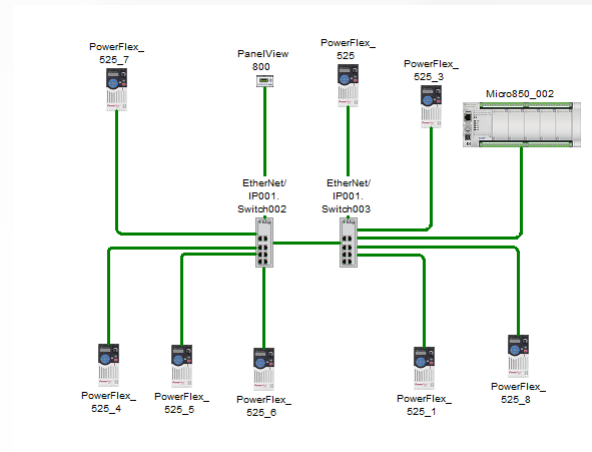
**Explore**  
Release Notes  
System Requirements  
About IAB

**Learn**  
All Resources  
Labs  
Online Videos  
QuickStarts  
Reference Websites

RECENT PROJECTS



Title	Status	Date	Type	Size	Duration
IAB Overview	UPDATED	1/26/2023	PDF	0.52MB	10 minutes
Run Current Updater	UPDATED	1/26/2023	PDF	0.33MB	10 minutes
Navigate in IAB	UPDATED	1/26/2023	PDF	0.50MB	10 minutes
New Project Dialog	UPDATED	1/26/2023	PDF	0.26MB	10 minutes
Move Modules in Hardware Tree		1/26/2023	PDF	0.15MB	10 minutes
Network View Select and Connect Modes	UPDATED	1/26/2023	PDF	0.36MB	10 minutes
Find Documentation	UPDATED	1/26/2023	PDF	0.25MB	10 minutes
Change Report Language		1/26/2023	PDF	0.13MB	10 minutes
Device List	UPDATED	1/26/2023	PDF	0.24MB	10 minutes
Find a Device	UPDATED	1/26/2023	PDF	0.19MB	10 minutes
Running Two Version of IAB		1/26/2023	PDF	0.34MB	10 minutes
Using IAB with Windows 7		1/26/2023	PDF	0.29MB	10 minutes
Architect Version 2 Device List	NEW	1/26/2023	PDF	0.31MB	5 minutes
Preferred Availability (PA) and Product Lifecycle Data	UPDATED	1/26/2023	PDF	0.31MB	5 minutes
Visio Best Practices		1/26/2023	PDF	1.04MB	20 minutes
Add Favorite Chassis	UPDATED	1/26/2023	PDF	0.20MB	10 minutes
Add Multiple Devices	UPDATED	1/26/2023	PDF	0.20MB	10 minutes



# IAB Wizards

## Project Design Assistant

- Compare options between platforms

Project Design Assistant

Enter Requirements    Perform Analysis    Generate Hardware

**Controller**

Controller Requirements ⓘ

High Availability    Conformal Coating    Extreme Temperature    Fixed Chassis

**Network Requirements** ⓘ

Ethernet   **Topology:**  Switch    Linear    Ring

**Local I/O Requirements** (I/O will match family of Controller chosen) ⓘ

Catalog: 1783-BMS065L

ControlLogix 1756 ✓   CompactLogix 5069 ✓   CompactLogix 1769 ✓   CompactLogix 1734 ✓

+ 0	AC Digital Inputs	1756-IA16	5069-IA16	1769-IA16	1734-IA2
+ 0	DC Digital Inputs	1756-IB16	5069-IB16	1769-IG16	1734-8CFG
+ 0	Safety Digital Inputs	1756-IB16S	5069-IB8S	NA	1734-IB8S
+ 0	AC Digital Outputs	1756-OA16	5069-OA16	1769-OA16	1734-OA2
+ 0	DC Digital Outputs	1756-OB16D	5069-OB16	1769-IQ6XO...	1734-8CFG

CANCEL    NEXT

Project Design Assistant

Enter Requirements ✓    Perform Analysis ✓    Generate Hardware

Select product family to generate hardware

Product Family	Product	Analyzing Progress	Estimated Price	System Results
<input type="checkbox"/> Control Logix 1756 <a href="#">Open PDF</a>	1756-L71 <a href="#">Open PDF</a>	Completed <div style="width: 100%; height: 10px; background-color: green;"></div>	\$ 48,396.01 <a href="#">Preview BOM</a>	Successfully Created
<input type="checkbox"/> CompactLogix 5370 L1 <a href="#">Open PDF</a>	1769-L16ER-BB1B <a href="#">Open PDF</a>	Completed <div style="width: 100%; height: 10px; background-color: green;"></div>	\$ 12,445.66 <a href="#">Preview BOM</a>	Successfully Created
<input type="checkbox"/> CompactLogix 5370 L2 <a href="#">Open PDF</a>	1769-L24ER-QB1B <a href="#">Open PDF</a>	Completed <div style="width: 100%; height: 10px; background-color: green;"></div>	\$ 20,139.85 <a href="#">Preview BOM</a>	Successfully Created
<input type="checkbox"/> CompactLogix 5370 L3 <a href="#">Open PDF</a>	1769-L30ER <a href="#">Open PDF</a>	Completed <div style="width: 100%; height: 10px; background-color: green;"></div>	\$ 21,896.91 <a href="#">Preview BOM</a>	Successfully Created
<input type="checkbox"/> CompactLogix 5380 L3 <a href="#">Open PDF</a>	5069-L306ER <a href="#">Open PDF</a>	Completed <div style="width: 100%; height: 10px; background-color: green;"></div>	\$ 13,918.36 <a href="#">Preview BOM</a>	Successfully Created

CANCEL    BACK    GENERATE HARDWARE

# IAB Wizards

## ControlLogix Wizard

ControlLogix Chassis Preferences

### Chassis Preferences & ControlLogix I/O Network

**ControlLogix Chassis Preferences**

XT Extreme Temperature

Use Redundant Controller Chassis

Use Redundant I/O Adapters

Allow I/O in Controller Chassis

Add slot fillers to empty slots

Add historian modules

**Chassis Size**

4 Slot

7 Slot

10 Slot

13 Slot

17 Slot

Auto Size

**Chassis Power Supply**

Redundant

120/220V AC

24V DC

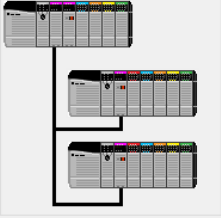
48V DC

125V DC

**I/O Wiring Method**

Screw

\* Additional options available within the configure chassis dialog for each chassis created.



**ControlLogix I/O Preferences**

Spare I/O Points %

\* All I/O points specified in this wizard will be created as ControlLogix I/O modules. Depending upon the quantity of points specified, a network may be required to communicate between the Controller chassis and the necessary remote I/O chassis.

**ControlLogix Network Preferences**

\* The following network choices will be used to determine how any remote chassis of ControlLogix I/O are connected to your processor chassis. All I/O entered on the following pages will be connected together via this network.

If the number of I/O points entered does not require a remote chassis to be created, you have the choice to optionally force the creation of a network.

**Network Creation**

Create New Network

Only if necessary to support required I/O

Regardless of I/O count

**Network Type**

ControlNet  Use Redundant Media

EtherNet  CPwE Model  Enable PRP

Use Existing Network

EtherNet/IP001  Enable PRP

Zone: Network Topology: New Switch(s) - Star Switch: 1783-BMS06SL

< Back Next > Cancel Help

ControlLogix Digital Input Selection

### Digital Inputs

**ControlLogix I/O**

**AC Inputs**

# Pts	Type	Voltage	Diagnostic
3	Isolated	120V AC	<input type="checkbox"/>
0	Non-Isolated	120V AC	<input type="checkbox"/>

**DC Inputs**

# Pts	Type	Voltage	Diagnostic
0	Sink Isolated	24V DC	<input type="checkbox"/>
0	Sink Non-Isolated	24V DC	<input type="checkbox"/>
0	Source	24V DC	<input type="checkbox"/>

< Back Next > Cancel Help

ControlLogix Digital Output Selection

### Digital Outputs

**ControlLogix I/O**

**AC Outputs**

# Pts	Type	Voltage	Diagnostic	Fused
3	Isolated	120V AC	<input type="checkbox"/>	<input type="checkbox"/>
0	Non-Isolated	120V AC	<input type="checkbox"/>	<input type="checkbox"/>

**DC Outputs**

# Pts	Type	Voltage	Diagnostic	Fused
0	Sink, Non-Protected	24V DC	<input type="checkbox"/>	<input type="checkbox"/>
0	Source, Non-Protected	24V DC	<input type="checkbox"/>	<input type="checkbox"/>
0	Source, Non-Protected, Isolated	24V DC	<input type="checkbox"/>	<input type="checkbox"/>

**Contact Outputs**

# Pts	Type
0	Normally Open, Isolated
0	Form-C, Isolated

Spare I/O points currently set to 0%

< Back Next > Cancel Help

# IAB Wizards

## CompactLogix Wizard

CompactLogix Chassis and I/O Network Preferences

### Chassis Preferences & Compact I/O Network

**CHASSIS & NETWORK**

**DIGITAL INPUTS**

**DIGITAL OUTPUTS**

**ANALOG I/O**

**MOTION CONTROL**

**DIO NETWORKS**

**MODULE SELECTION**

Chassis Power Supply Voltage  
 Any  120/220V AC (Not compatible with L1 or L2 processors)  24V DC

IO Family Preference  
 1769  5069  1734

Compact I/O Preferences  
Spare I/O Points %:   
\* All I/O points specified in this subsystem wizard will be created as Compact I/O modules (with the exception of any L1 chassis, which will be Point I/O).  
Depending upon the quantity of points specified, a network may be required to communicate b/w the controller chassis and necessary remote i/o chassis

CompactLogix Network Preferences  
\* The following network choices will be used to determine how any remote chassis of CompactLogix I/O are connected to your processor chassis (This choice does not apply to L1 processors with Point I/O).  
All I/O entered on the following pages will be connected together via this network. If the number of I/O points entered does not require a remote chassis to be created, you have the choice to optionally force the creation of a network.

Network Creation  
 Create New Network  
 Only if necessary to support required I/O  Regardless of I/O count

Network Type  
 EtherNet CPwE Model

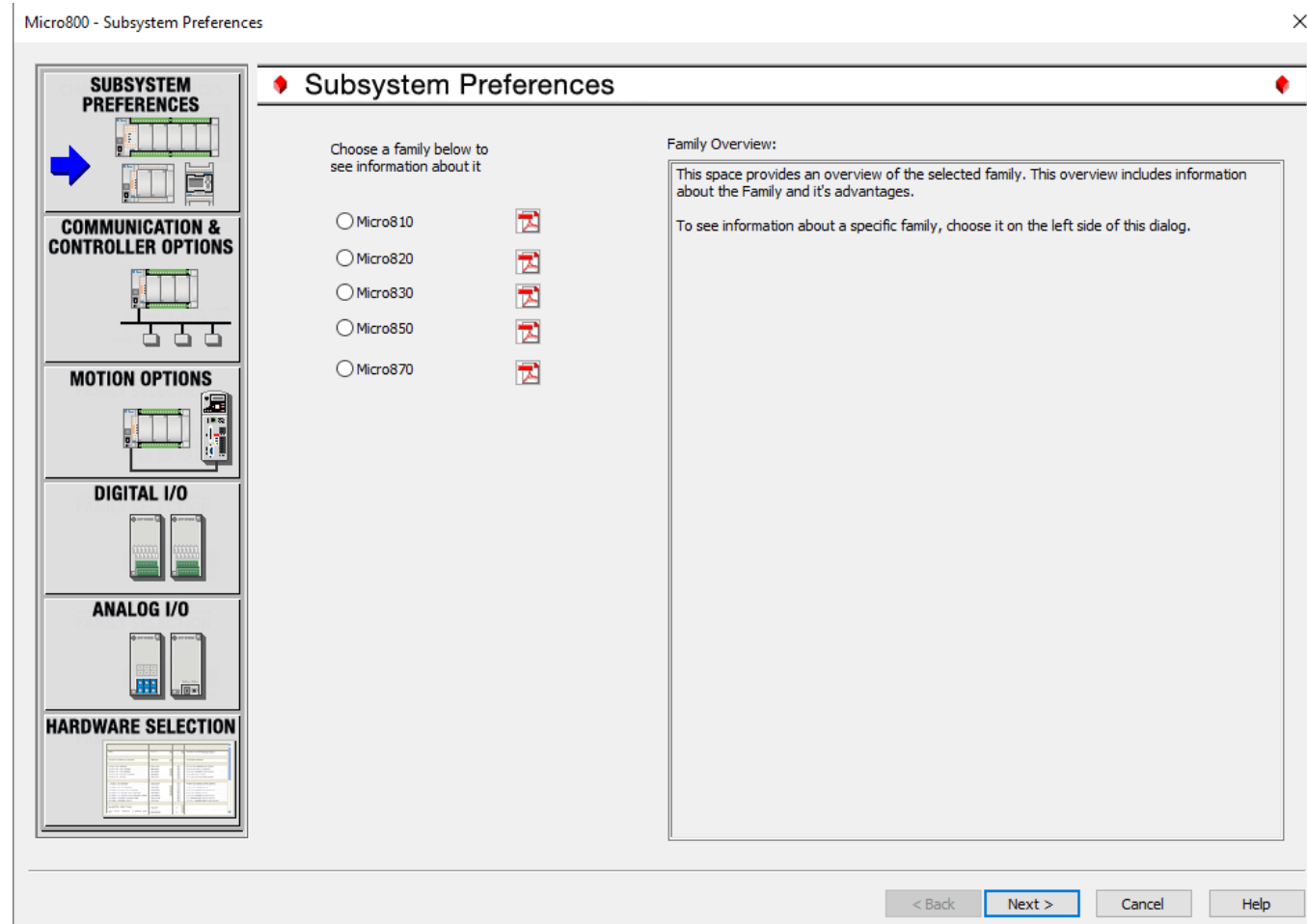
Use Existing Network EtherNet/IP001

Zone:  Topology:  Switch:

< Back Next > Cancel Help

# IAB Wizards

## Micro800 Wizard



# IAB Wizards

## Distributed I/O Wizard

Distributed I/O - Subsystem Preferences

**SUBSYSTEM PREFERENCES**

Choose a family below to see information about it

- ArmorBlock 5000 I/O
- ArmorBlock
- ArmorBlock WeldBlock
- ArmorPoint
- 1769 Compact I/O
- CompactBlock
- CompactBlock LDX
- ControlLogix
- Embedded I/O
- Flex 5000 I/O
- Flex I/O
- Flex EX
- Flex XT
- Point I/O
- 1715 Redundant
- 5069 Compact I/O
- 1719 EX I/O
- 1718 EX I/O
- FlexHA 5000 I/O

**Family Overview:**

This space provides an overview of the selected family. This overview includes information about the Family and it's advantages.

To see information about a specific family, choose it on the left side of this dialog.

< Back   Next >   Cancel   Help

Distributed I/O - Network and Family Preferences

**COMMUNICATION OPTIONS & CONTROLLER PREFERENCES**

**Network Type:**

- EtherNet/IP
- ControlNet
- DeviceNet
- Remote I/O
- Profibus

Use Redundant Media

**Network Generation:**

- Create New Network
- Use Existing Network

Enable PRP

**Controlled by Processor Chassis:**

Zone: Network   Topology: New Switch(s) - Star   Switch: 1783-BMS06SL

**Family Preferences:**

- Use IP67-compatible chassis
- Use Intrinsically safe components
- Use Safety I/O

**Other Options:**

Percentage of spare I/O points: 0

< Back   Next >   Cancel   Help

- ArmorBlock 5000 I/O
- ArmorBlock
- ArmorBlock WeldBlock
- ArmorPoint
- 1769 Compact I/O
- CompactBlock
- CompactBlock LDX
- ControlLogix
- Embedded I/O
- Flex 5000 I/O
- Flex I/O
- Flex EX
- Flex XT
- Point I/O
- 1715 Redundant
- 5069 Compact I/O
- 1719 EX I/O
- 1718 EX I/O
- FlexHA 5000 I/O

# IAB Wizards

## 1771 PLC-5 Migration Wizard

### 1771 Migration Chassis Selection

Chassis Configurations:

Chassis Name

### Add Chassis

Enter new chassis name:

\* Each chassis will be defaulted to use the Wiring Conversion System for Allen-Bradley 1771 to 1756 ControlLogix I/O where possible.

### 1771 Migration Module Selection

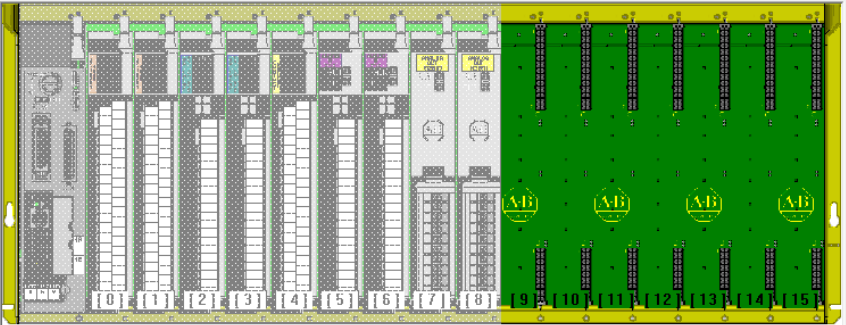
1771 Chassis Size: 1771-A4B  
1756 Chassis Size: 1756-A13

1771 Power Supply: 1771-P4S  
1756 Power Supply: 1756-PA75

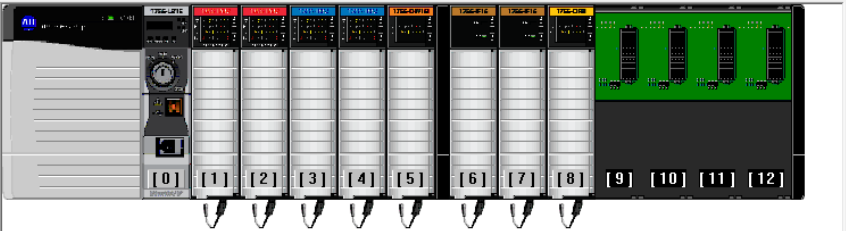
Conversion Kit:  Yes  No

Wiring Type:  Screw  Clamp

- PLC
- Adapter
- I/O Module
  - Analog
    - 1771-IFE
    - 1771-IFF
    - 1771-IR
    - 1771-NIS
    - 1771-NIV
    - 1771-NIV1
    - 1771-NIVR
    - 1771-NIVT
    - 1771-NOC
    - 1771-NOV
    - 1771-NR
    - 1771-NT1
    - 1771-NT2
    - 1771-OFE1
    - 1771-OFE2
    - 1771-IL
    - 1771-IXE
    - 1771-IXHR
  - Digital
  - Specialty Module
  - Processor
  - Scanner



Please Note: The 1771-A4B has dimensions (inches) of 7.6D x 24.01W x 12.41H (w/ a chassis mounted power supply) and 29.06W (w/ a left side mounted power supply). The 1756-A13 has dimensions (inches) of 5.8D x 23.15W x 6.65H.



### Question

How do you want to migrate this module?

Recommended approach is a 2:1 conversion where 2 quantity of this 1771 module can be replaced with a single 1756 module. This helps in optimizing 1756 chassis space.

Would you like to pair with existing 1771 Module present in slot number:

Please select and click 'OK' to continue with the recommended approach.

Alternatively, if you want to add a separate 1756 IO module, click New Module.

### 1771 Migration Conflict Resolution

Analog Input Module, 8 Differential, 16 Single-Ended (+/-10V, +/-20mA)

There are multiple possible configurations allowed. Please select which configurations are desired.

Classification	1756 Module	Description	Comments
<input type="checkbox"/>	I/O Module 1756-IF16	Analog Input Module, 8 Differential, 16 Single-Ended (+/-10...	Single-Ended Voltage Mode
<input type="checkbox"/>	I/O Module 1756-IF16	Analog Input Module, 8 Differential, 16 Single-Ended (+/-10...	Single-Ended Current Mode
<input type="checkbox"/>	I/O Module 1756-IF16	Analog Input Module, 8 Differential, 16 Single-Ended (+/-10...	Differential Voltage Mode
<input type="checkbox"/>	I/O Module 1756-IF16	Analog Input Module, 8 Differential, 16 Single-Ended (+/-10...	Differential Current Mode



# IAB Wizards

## 1746 SLC Migration Wizard

Replace with 1769 CompactLogix  
Replace With CompactLogix 5380  
Replace With ControlLogix  
Retain With 1769 CompactLogix  
Retain With CompactLogix 5380  
Retain With ControlLogix

The screenshot shows the 'SLC Migration Module Selection' wizard. At the top, the 'SLC I/O' dropdown is set to 'Replace With CompactLogix 5380'. Below this, there are three rows for 'Banks', 'Chassis Size', and 'Power Supply'. Bank 1 is set to 7, Bank 2 to 0, and Bank 3 to 0. All power supplies are set to 1746-P4. A 'Conversion Kit' section has 'Yes' selected. The main area shows a 3D model of a rack with slots labeled [0] through [6]. Below the model, the dimensions are listed: 'Existing Chassis Dimensions (HxWxD in inches): Bank 1 - 6.73 x 14.37 x 5.71' and 'Migrated Chassis Dimensions (HxWxD in inches): Rack 1 - 5.69 x 8.74 x 5.39'. On the left, a tree view shows the 'SLC' category expanded to 'I/O Module', with '1746-NO8I' selected. At the bottom, there are 'OK', 'Cancel', and 'Help' buttons.

# IAB Wizards

## MicroLogix Migration Wizard

Replace MLX 1000 With Micro800  
Replace MLX 1100 With Micro(820/850)  
Replace MLX 1200 With Micro(850/870)  
Replace MLX 1500 With CompactLogix(L2/L3)

MicroLogix Migration Module Selection

Select Migration Type

◆ Existing Chassis ◆

Replace MLX 1000 With Micro800

Controllers: 1761-L10BWA

Power Supply: [ ]

Communication Cables: [ ]

Banks and Chassis Size

Banks	Left	Right
1	0	0
2	0	0

HSC Needed

Existing Chassis Dimensions (HxWxD in inches): NA x NA x NA

Migrated Chassis Dimensions (HxWxD in inches): 3.54 x 4.09 x 2.95

Add 2080 Power Supply (120/240VAC to 24VDC)

◆ Migrated Chassis ◆

MicroLogix 1000

- Controller
  - 1761-L10BWA
  - 1761-L10BWB
  - 1761-L10BWB
  - 1761-L10BWB
  - 1761-L16AWA
  - 1761-L16BBB
  - 1761-L16BWA
  - 1761-L16BWB
  - 1761-L16NWA
  - 1761-L16NWB
  - 1761-L16NWB
  - 1761-L20AWASA
  - 1761-L20BWASA
  - 1761-L20BWBASA
  - 1761-L32AAA
  - 1761-L32AWA
  - 1761-L32BBB
  - 1761-L32BWA
  - 1761-L32BWB

OK Cancel

# IAB Tools

## Advanced Communication Details

RA - Integrated Architecture Builder - ControlLogix redundant configuration

File Action Option View Help



Communication Details

I/O Devices HMI Devices Produced/Consumed Tags Motion Logic/Other Settings Errors/Warnings Results

Results: Export To XML Jump to: Controllers Communication Modules Networks

**Controllers**

**Ctrl1**

Connections I/O: 25 Logic Periodic Task Scan Time: 0.0 msec  
 HMI: 10 Periodic Task Rung Capacity: 3919 rungs  
 Remaining: 465 Continuous Task Scan Time: 0.0 msec

Memory Used: 977 KB Logix Controller Utilization: 0.0%  
 Available: 32.0 MB  
 Remaining: 31.0 MB

**Ctrl2**

Connections I/O: 2 Logic CIP Motion Input Cycle Utilization (Drive to Controller): 0.0%  
 HMI: 0 Periodic Task Rung Capacity: 3919 rungs Output Cycle Utilization (Controller to Drive): 0.0%  
 Remaining: 498 Continuous Task Scan Time: 0.0 msec Motion Task I/O Cycle Utilization: 0.0%  
 CIP Motion Pos Axes: 0 (max 100) Logix Controller Utilization: 0.0%  
 CIP Motion Non-Pos Axes: 0 (max 100) Logix System Minimum Time Slice: 5.0%  
 Total Axes: 0 (max 100)

**Communication Modules**

Comm1 [14-15] (connected to: MAIN PLC\_Cnet / MAIN PLC\_Cnet)  
 CIP Connections: 27 (73 rem)  
 Utilization: 19.6%

Comm2 [192.168.0.4] (connected to: EtherNet/IP001 / Switch001)

\*\* The results shown in this estimation tool have been tested for accuracy, however actual results may vary. Estimates for controller memory do not include application code. IAB users must independently verify the configuration and bill of material. (click HELP for more information)

OK Cancel Help

Communication Details

I/O Devices HMI Devices Produced/Consumed Tags Motion Logic/Other Settings Errors/Warnings Results

Show devices on network: <all networks> Assign Controllers Rack Optimization Set Project Connection Types/RPI Use Nicknames Change Nicknames and Colors

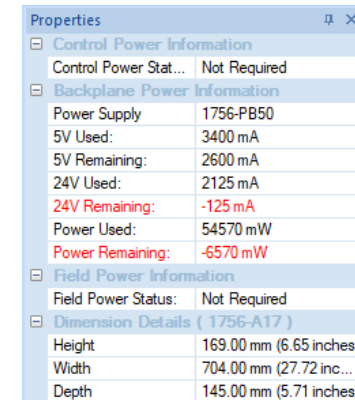
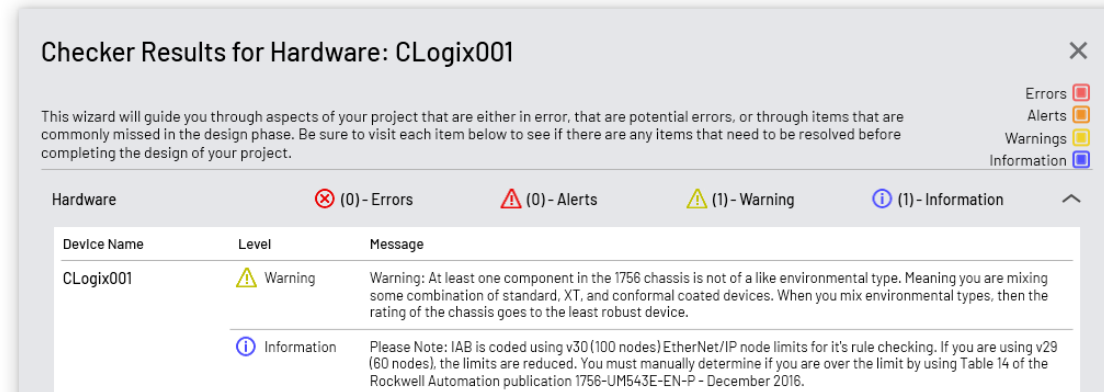
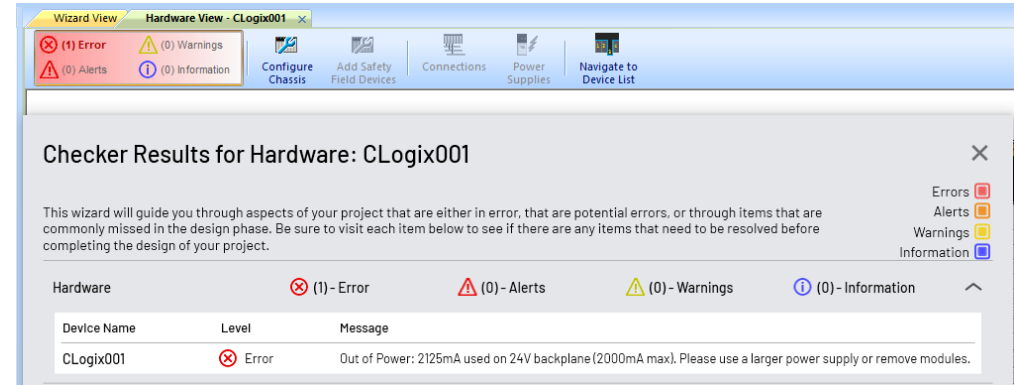
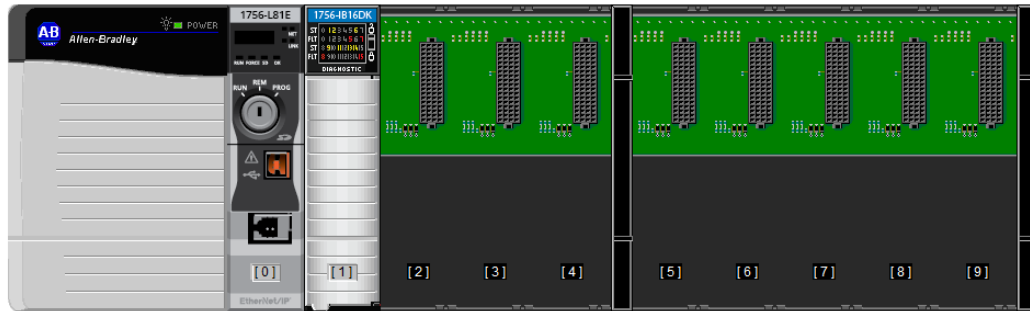
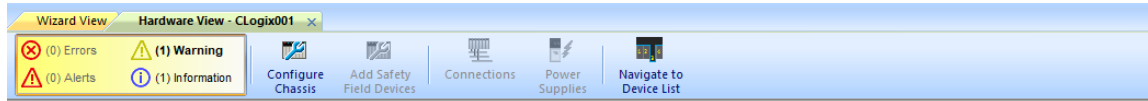
Slot	Catalog Number	Controller Assignment	Communication Module Assignment	RPI	Security	Safety	Connection Type
<b>Chassis: I/O Panel # 1 Flex004</b> Set Chassis Connection Types/RPI							
N/A	1794-ACNR15 [6]						
0	1794-OE4	Ctrl1	Comm1 [14-15]	20			Connection: Data, Output Data: A... Add Listener
1	1794-OE4	Ctrl1	Comm1 [14-15]	20			Connection: Data, Output Data: A... Add Listener
2	1794-OE4	Ctrl1	Comm1 [14-15]	20			Connection: Data, Output Data: A... Add Listener
3	1794-OE4	Ctrl1	Comm1 [14-15]	20			Connection: Data, Output Data: A... Add Listener
4	1794-OE4	Ctrl1	Comm1 [14-15]	20			Connection: Data, Output Data: A... Add Listener
5	1794-OE4	Ctrl1	Comm1 [14-15]	20			Connection: Data, Output Data: A... Add Listener
<b>Chassis: I/O Panel # 2 Flex001</b> Set Chassis Connection Types/RPI							
N/A	1794-ACNR15 [7]						
0	1794-IE8	Ctrl2	Comm4 [13]	20			Connection: Data, Input Data: An... Add Listener
1	1794-IE8	Ctrl2	Comm4 [13]	20			Connection: Data, Input Data: An... Add Listener
2	1794-IE8	Ctrl2	Comm4 [13]	20			Connection: Data, Input Data: An... Add Listener
3	1794-IE8	Ctrl2	Comm4 [13]	20			Connection: Data, Input Data: An... Add Listener
4	1794-IE8	Ctrl2	Comm4 [13]	20			Connection: Data, Input Data: An... Add Listener
5	1794-IE8	Ctrl2	Comm4 [13]	20			Connection: Data, Input Data: An... Add Listener
6	1794-IE8	Ctrl2	Comm4 [13]	20			Connection: Data, Input Data: An... Add Listener
<b>Chassis: I/O Panel # 2 Flex002</b> Set Chassis Connection Types/RPI							
N/A	1794-ACNR15 [8]						
0	1794-IE8	Ctrl1	Comm1 [14-15]	20			Connection: Data, Input Data: An... Add Listener
1	1794-IFR	Ctrl1	Comm1 [14-15]	20			Connection: Data, Input Data: An... Add Listener

\*\* The results shown in this estimation tool have been tested for accuracy, however actual results may vary. Estimates for controller memory do not include application code. IAB users must independently verify the configuration and bill of material. (click HELP for more information)

OK Cancel Help

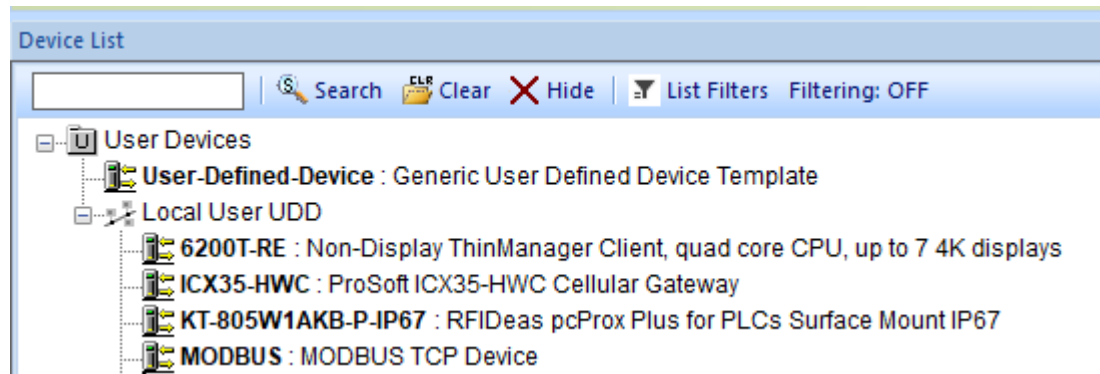
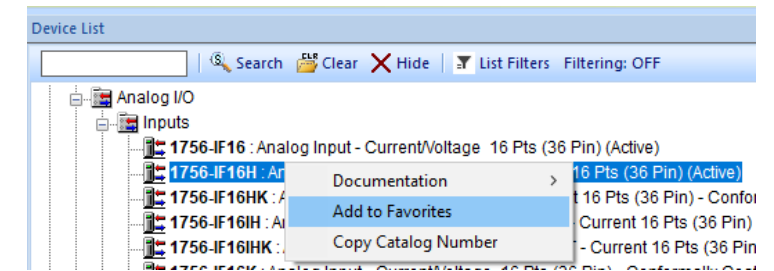
# IAB Tools

## Warnings, Errors, Alerts, Information



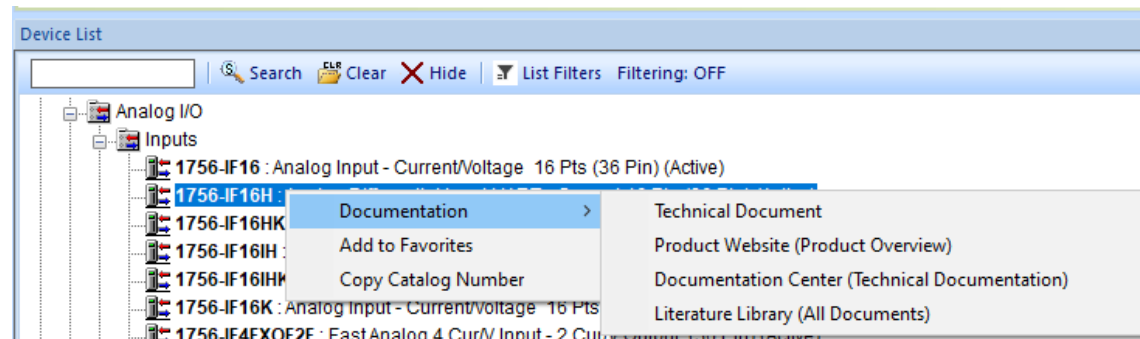
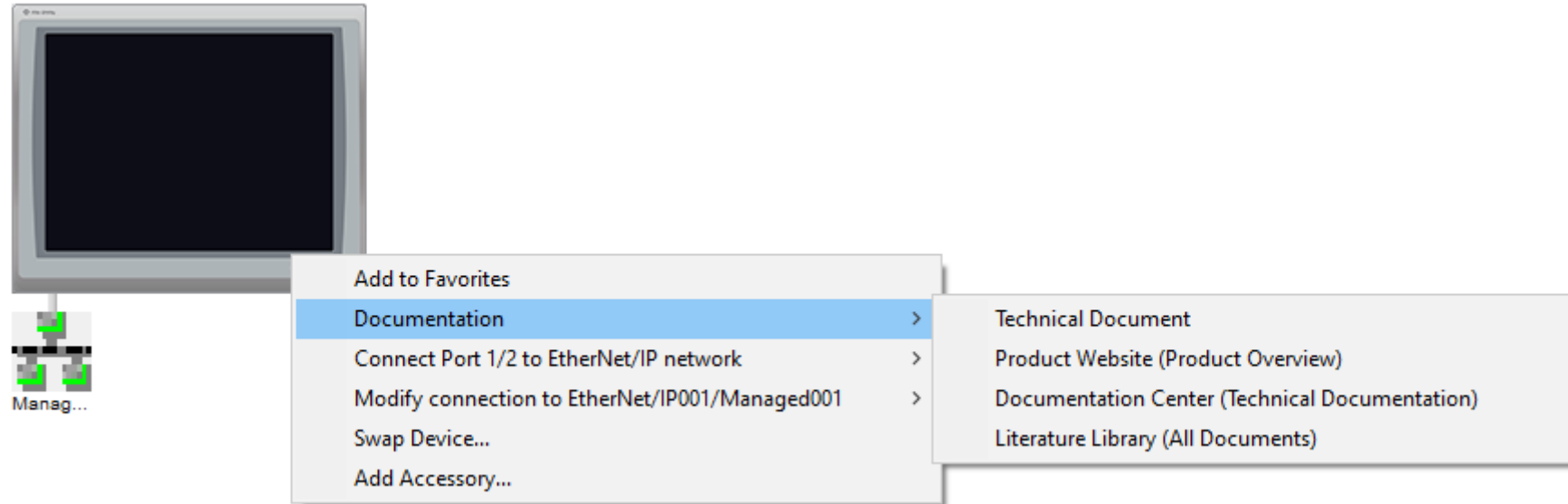
# IAB Tips & Tricks

Add Favorites for commonly used items & custom User Devices



# IAB Tips & Tricks

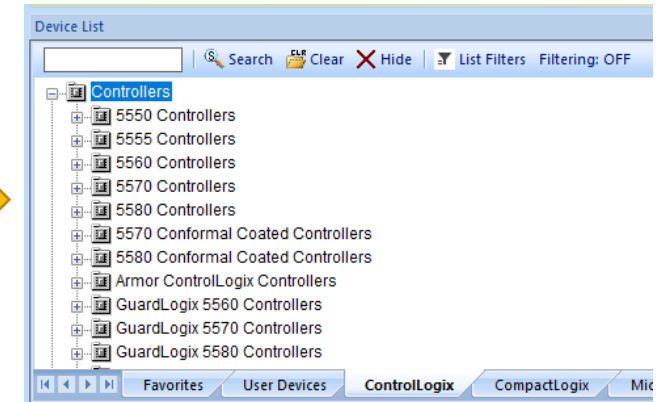
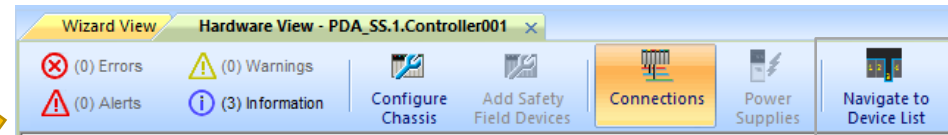
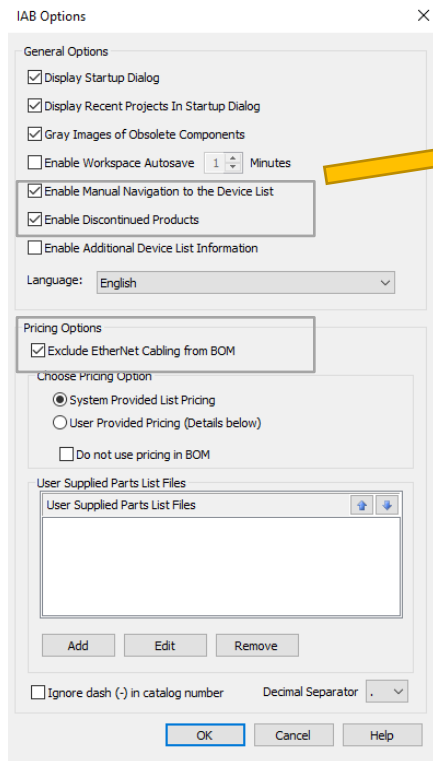
Find relevant documentation quickly by right clicking within the hardware view or Device List



# IAB Tips & Tricks

Under Option -> IAB Options

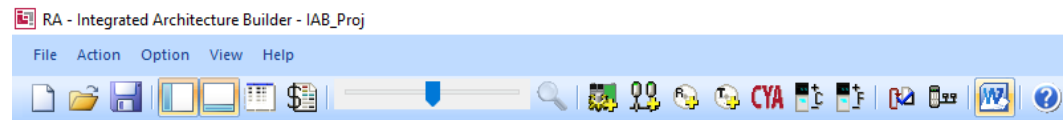
- Enable Manual Navigation to the Device List
- Enable Discontinued Products (if you are replicating something you have)
- Exclude EtherNet Cabling from BOM



# IAB Tips & Tricks

Under Option -> Report Options

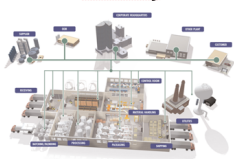
- Adjust as needed for your Word document reports
  - Typically only one type of BOM needed
  - Sometimes Architecture View and Network View are duplicate information on small or uncomplicated projects
  - Platform Overviews are not always needed



IAB\_Proj Documentation  
Reference / Version

## Integrated Architecture Builder

### IAB\_Proj



## Project Documentation

Reference

Version

Tuesday, June 13, 2023 - 15:09

/

Author

1

Rockwell  
Automation

### Table of Contents:

Integrated Architecture Builder .....	1
1 Overview of Project 'IAB_Proj' .....	3
1.1 IAB Software Information: .....	3
1.2 Integrated Architecture: .....	4
1.3 EtherNet/IP .....	6
1.4 Project's System List: .....	8
1.5 Project Errors/Warnings: .....	8
1.6 Project's Network list: .....	8
1.7 Project's hardware platforms list: .....	8
2 Bill of Materials .....	9
2.1 Organized BOM .....	9
3 Network Details .....	11
3.1 Network 'EtherNet/IP001' .....	11
3.1.1 EtherNet/IP network status : OK .....	11
3.1.2 Graphics: .....	11
3.1.3 Network Connections: .....	12
4 Hardware Platforms .....	13
4.1 Platform 'PDA_SS.1.Controller001' .....	13
4.1.1 Graphics: .....	13
4.1.2 Performance Data: .....	13
4.1.3 Layout Information: .....	15
4.1.3.1 Product Dimension Units are in mm (Inches) .....	16
4.2 Platform 'PDA_SS.1.Controller002' .....	17
4.2.1 Graphics: .....	17
4.2.2 Performance Data: .....	17
4.2.3 Layout Information: .....	18
4.2.3.1 Product Dimension Units are in mm (Inches) .....	18

### 1 Hardware Platforms

#### 1.1 Platform 'PDA\_SS.1.Controller001'



#### 1.1.1 Performance Data:

Ctrl1 (Controller 5069-L306ER in slot 0)	
EtherNet/IP Nodes	1
Motion Position Axes	0
Memory Used	133 KB
Memory Available	586 KB
Remaining Memory	453 KB
User Task Minimum Period	0.0 msec
User Task Rung Capacity	34994 rungs
Continuous Task Scan Time	0.0 msec

Usage Breakdown for Ctrl1			
Chassis / Device Name	EtherNet/IP Nodes	Motion Position Axes	Memory Used
PDA_SS.1.Controller001 (Local)	0	0	104 KB
PDA_SS.1.Controller002	1	0	29 KB

Comm1 (Comm Module 5069-L306ER - A1 in slot 0, on network EtherNet/IP001)	
Motion Packets per Second (PPS)	0
I/O Packets per Second (PPS)	420
HMI Packets per Second (PPS)	0
Utilization	0.3%
CIP Connections	2 (997 rem)
TCP Connections	1 (311 rem)
Motion Percent Used	0.0%
I/O Percent Used	0.3%

**Report Options** ✕

Language: English

Content Options

Include Platform Overviews (additional product information)

Include Architecture View

Include Bill of Materials

Consolidated BOM       Consolidated PlantPAx BOM  
 Positional BOM       Positional PlantPAx BOM  
 Organized BOM       Organized PlantPAx BOM  
 Include Preferred Availability and Lifecycle Data

Include Networks

Include Graphics  
 Include Performance Data  
 Include Layout Information

Include Hardware Platforms

Include Graphics  
 Include Performance Data  
 Include Layout Information  
 Include On-Machine Cable Data

Include Advanced Communication Details

Appendix:

Include Motion Book Output files  
 Include Supplemental information

Keywords

Keyword	String
Reference	
Version	
Author	
Company	
Department	

Edit Field

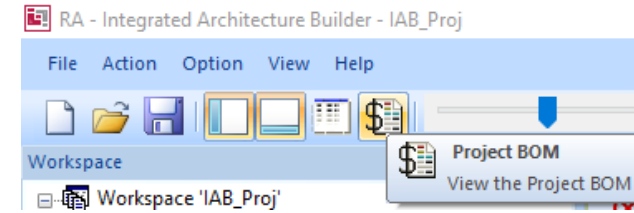
OK
Cancel
Help



# IAB Tips & Tricks

## View Different Types of BOMs in Excel

- Organized – generally broken up by rack/chassis/network
- Consolidated – no duplicates in list, easiest / fastest for distributor quote
- Positional – per item breakout, very long, rarely used



Project Bill Of Material

Qty	Catalog #	Description	(\$ - USD) Unit Price	(\$ - USD) Price	Status & Ratings	Additional Informat ^
<b>Networks</b>						
<b>EtherNet/IP001 : Managed001</b>						
001	1783-BMS06SL	Stratix 5700, 4 copper 10/100 ports, 2 SFP 10/100 slots, lite FW	1,314.48	1,314.48	LC: Active Mature	
001	5069-L306ER	(PDA_SS.1.Controller001) CompactLogix 5380 Controller, 600KB, 8 I/Os, 16 nodes, Standard	In Hardware**		LC: Active	
001	5069-AENTR	(PDA_SS.1.Controller002) 5069 Compact I/O EtherNet/IP Adapter, Dual Ethernet port, 10/100/1000MB...	In Hardware**		LC: Active	
			Subtotal:	\$ 1,314.48		
<b>Hardware</b>						
<b>PDA_SS.1.Controller001</b>						
001	5069-L306ER	CompactLogix 5380 Controller, 600KB, 8 I/Os, 16 nodes, Standard	1,667.00	1,667.00	LC: Active	
			Includes (1) 5069-ECR: 5069 End cap	N/A	N/A	LC: Active
001	5069-RTB64-SCREW	Power terminal RTB kit for CompactLogix 5380 Controllers and 5069-AEN2TR. Contains both 4 and 6 pin ...	42.32	42.32	LC: Active	
003	5069-IF8	5069 Compact I/O 8 Channel Voltage/Current Analog Input Module, 16 bit resolution, 1ms channel upda...	1,085.51	3,256.53	LC: Active	
008	5069-RTB18-SCREW	5069 Compact I/O 18 pins Screw type terminal block kit	77.37	618.96	LC: Active	
003	5069-OF4	5069 Compact I/O 4 Channel Voltage/Current Analog Output Module, 16 bit resolution, 1ms channel upd...	1,031.67	3,095.01	LC: Active	
002	5069-IB16	5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter	329.28	658.56	LC: Active	
			Subtotal:	\$ 9,338.38		
<b>PDA_SS.1.Controller002</b>						
001	5069-AENTR	5069 Compact I/O EtherNet/IP Adapter, Dual Ethernet port, 10/100/1000Mbps, supports up to 31 I/O ...	1,108.04	1,108.04	LC: Active	
			Includes (1) 5069-ECR: 5069 End cap	N/A	N/A	LC: Active
001	5069-RTB5-SCREW	Power terminal RTB kit for 5069-AENTR.	21.27	21.27	LC: Active	
001	5069-IB16	5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter	329.28	329.28	LC: Active	
004	5069-RTB18-SCREW	5069 Compact I/O 18 pins Screw type terminal block kit	77.37	309.48	LC: Active	
002	5069-OB16	5069 Compact I/O 16 Channel 24VDC Source Output Module, 100µs response, 2 tier fault mode, hold la...	425.69	851.38	LC: Active	
001	5069-IY4	5069 Compact I/O 4 Channel Universal Voltage/Current/RTD/TC Analog Input Module, 16 bit resolution, ...	646.05	646.05	LC: Active	

The list prices shown in this tool are reference points used by your distributor or Rockwell Automation to calculate your extended net prices and do not include applicable discounts and taxes. To obtain your extended net pricing for products, contact Rockwell Automation or your authorized distributor.

Show all slot numbers  
 Show only PlantPAx System Elements and I/O

Organized BOM  
  Consolidated BOM  
  Positional BOM

\* Included in Bulk Cable Section  
 \*\* Included in Hardware Section  
 \$ Not Available For Sale for all COMING SOON description product catalogs

Project Bill Of Material

Qty	Catalog #	Description	(\$ - USD) Unit Price	(\$ - USD) Price	Status & Ratings	Additional Information
001	5069-L306ER	CompactLogix 5380 Controller, 600KB, 8 I/Os, 16 nodes, Standard (This component has bundled items, ...	1,667.00	1,667.00	LC: Active	
001	5069-RTB64-SCREW	Power terminal RTB kit for CompactLogix 5380 Controllers and 5069-AEN2TR. Contains both 4 and 6 pin ...	42.32	42.32	LC: Active	
001	5069-AENTR	5069 Compact I/O EtherNet/IP Adapter, Dual Ethernet port, 10/100/1000Mbps, supports up to 31 I/O ...	1,108.04	1,108.04	LC: Active	
001	5069-RTB5-SCREW	Power terminal RTB kit for 5069-AENTR.	21.27	21.27	LC: Active	
001	5069-IY4	5069 Compact I/O 4 Channel Universal Voltage/Current/RTD/TC Analog Input Module, 16 bit resolution, ...	646.05	646.05	LC: Active	
001	1783-BMS06SL	Stratix 5700, 4 copper 10/100 ports, 2 SFP 10/100 slots, lite FW	1,314.48	1,314.48	LC: Active Mature	
001	9324C-RLDT31	ESD - Studio 5000 Professional 1 yr Subscription with 8-5, M-F Support	3,632.77	3,632.77		
002	5069-OB16	5069 Compact I/O 16 Channel 24VDC Source Output Module, 100µs response, 2 tier fault mode, hold la...	425.69	851.38	LC: Active	
003	5069-IF8	5069 Compact I/O 8 Channel Voltage/Current Analog Input Module, 16 bit resolution, 1ms channel upda...	1,085.51	3,256.53	LC: Active	
003	5069-OF4	5069 Compact I/O 4 Channel Voltage/Current Analog Output Module, 16 bit resolution, 1ms channel upd...	1,031.67	3,095.01	LC: Active	
003	5069-IB16	5069 Compact I/O 16 Channel 24VDC Sink Input Module, 100µs response, up to 500hz simple counter	329.28	987.84	LC: Active	
012	5069-RTB18-SCREW	5069 Compact I/O 18 pins Screw type terminal block kit	77.37	928.44	LC: Active	
			Total:	\$ 17,551.13		

The list prices shown in this tool are reference points used by your distributor or Rockwell Automation to calculate your extended net prices and do not include applicable discounts and taxes. To obtain your extended net pricing for products, contact Rockwell Automation or your authorized distributor.

Show all slot numbers  
 Show only PlantPAx System Elements and I/O

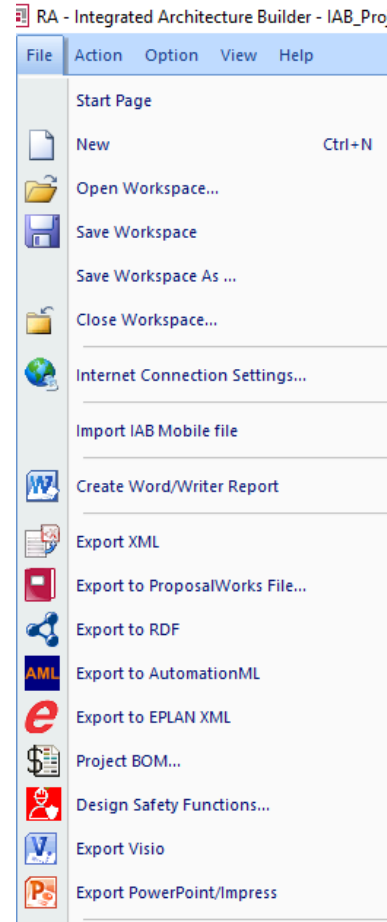
Organized BOM  
  Consolidated BOM  
  Positional BOM

\* Included in Bulk Cable Section  
 \*\* Included in Hardware Section  
 \$ Not Available For Sale for all COMING SOON description product catalogs

# IAB Tips & Tricks

## Export to ProposalWorks

- Useful if items need to be added to the BOM that aren't located within IAB



Integrated Architecture Builder  
(IAB)

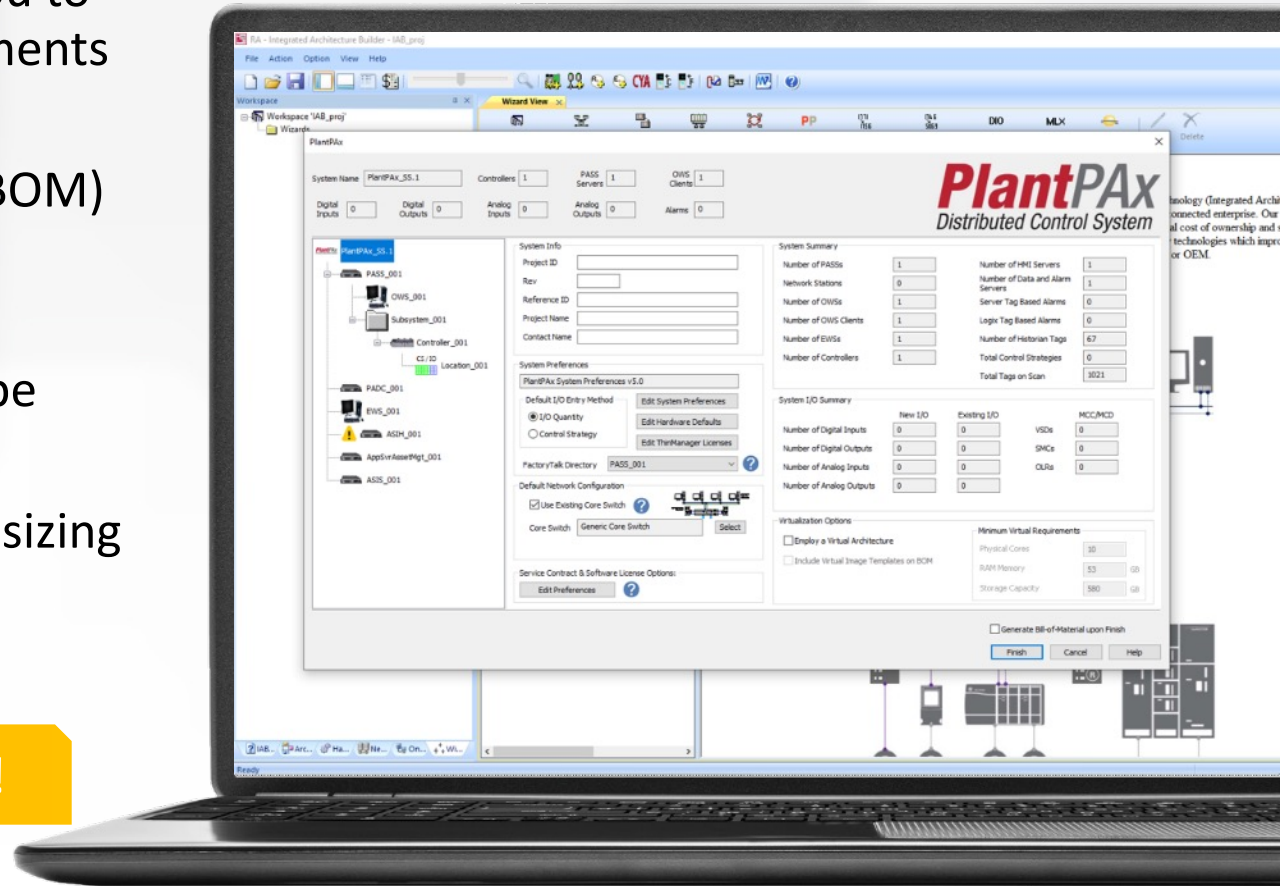
Process System Estimator  
(PSE)



expanding human possibility<sup>®</sup>

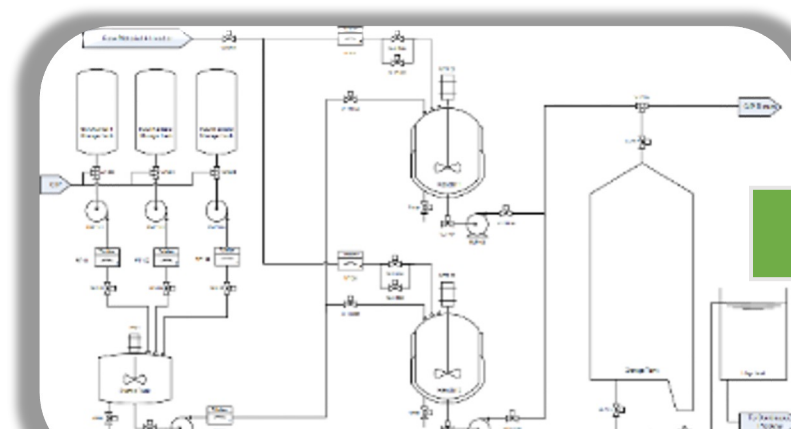
# What is the PlantPax® System Estimator (PSE)?

- The **PlantPax® System Estimator (PSE)** is a wizard built into **Integrated Architecture® Builder (IAB)** that allows you to estimate sizing and loading of **PlantPax®** system elements based on your application requirements.
- The **PSE** will help you generate the bill of materials (BOM) for the proposed **PlantPax®** system.
- The **PSE** automatically estimates system loading and provides warnings if your proposed design needs to be modified to meet performance requirements.
- The **PSE** is fully customizable! You can create custom sizing rules based on your application.

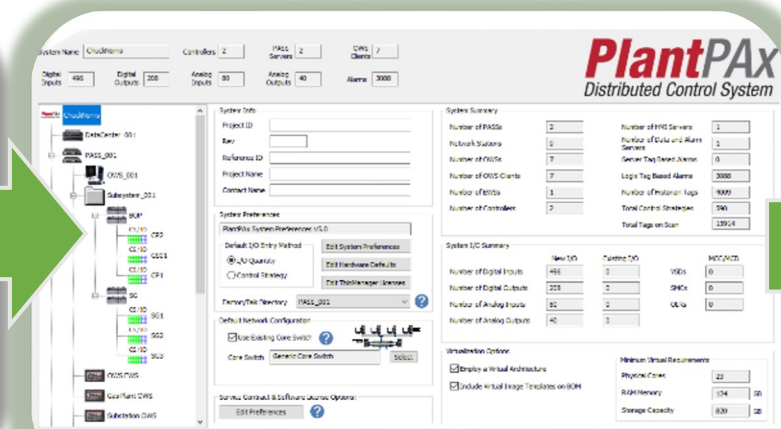


Always use the PSE to design your PlantPax® system!

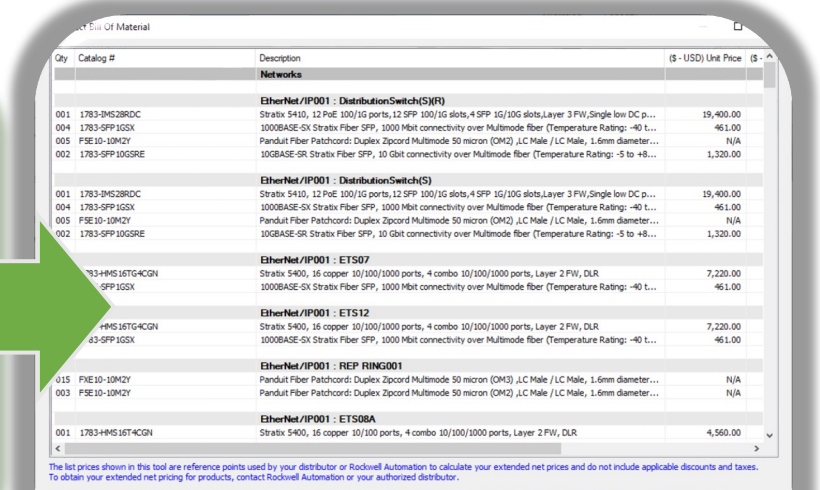
# PSE - Typical Workflow



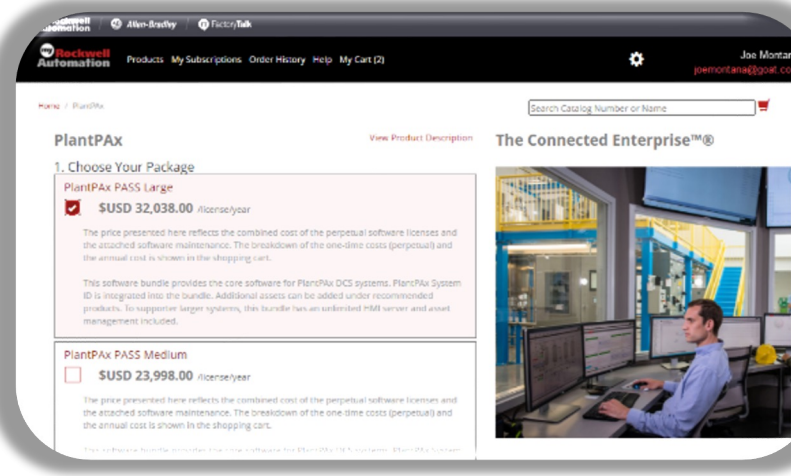
**User Requirements**



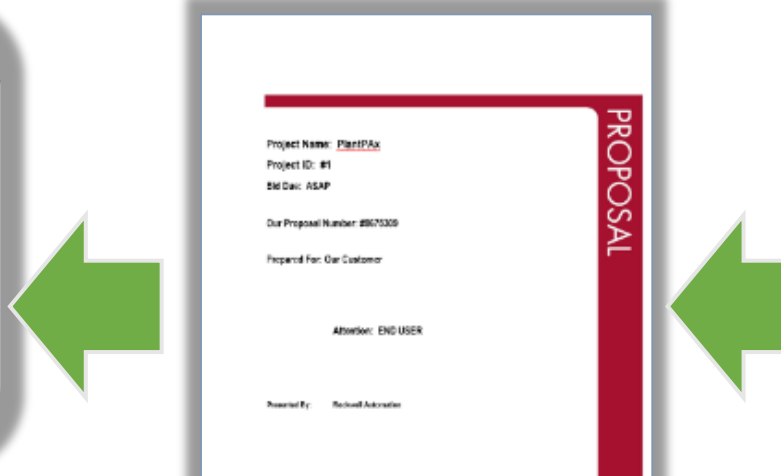
**PSE Wizard**



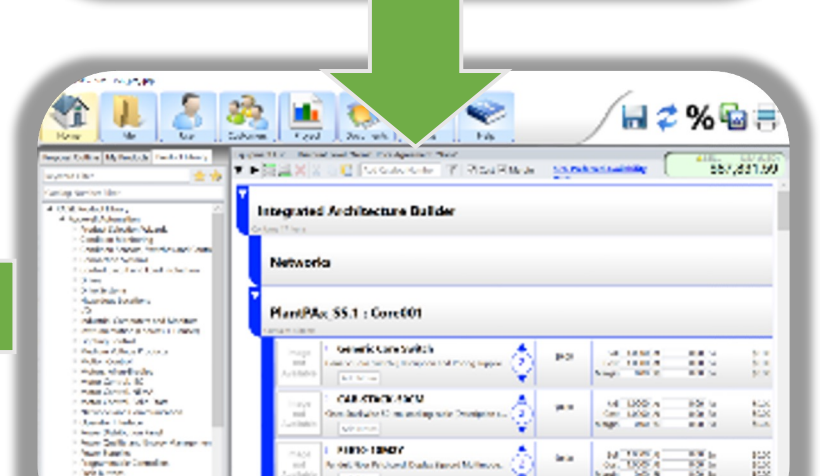
**BOM**



**Rockwell Automation Software Portal**



**Proposal**



**ProposalWorks™**

# Project Workflow

## Process System Estimator (PSE)

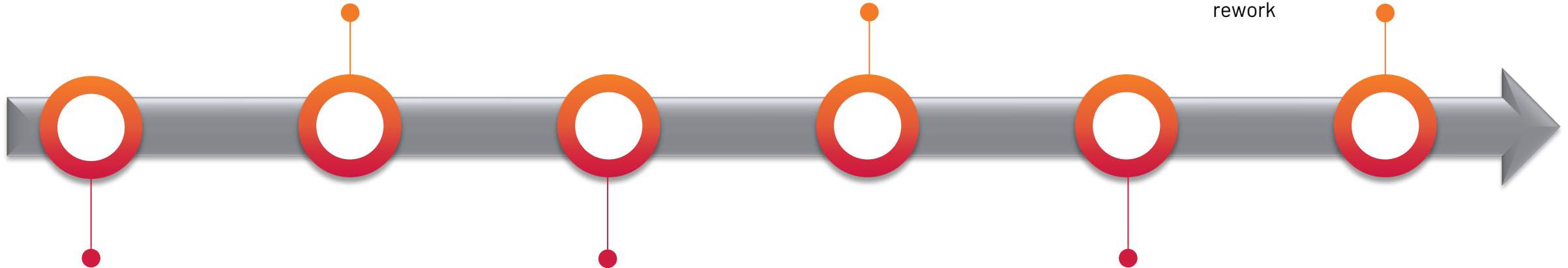
- Define control strategies
- Define execution times
- Define hardware
- Determine software loading
- Determine network architecture and loading
- Determine virtualized architecture and loading

## PlantPax® Configuration Tool

- Setting alarm groups and commands
- Setting interlock text descriptors and navigation
- Sets values in the offline Automatic Call Distribution (ACD) file

## PlantPax® Verification Tool

- Audit Implementation iteratively as a check to make sure that the system is within boundaries
- Compare against PSE to be sure that the deployment matches the design
- Catches problems early to reduce rework



## Project Documentation

- P&ID
- Process Narrative
- Instrument List
- Plant Layout Diagram
- Networking Layout Diagram

## Application Code Manager (ACM)

- Assigns Process Strategies to instruments and devices
- Loads data from Instrument List into each object to avoid manual entry
- Allows efficient creation of large projects
- Creates HMI Graphics
- Creates Historian import file

## Deploy Project

- Deploy servers from templates
- Deploy network per Topology Worksheet
- Finalize server deployment with Configuration and Implementation Guide UM-100
- Import all application files

# FactoryTalk Updater

## Controlflash Plus



expanding human possibility<sup>®</sup>

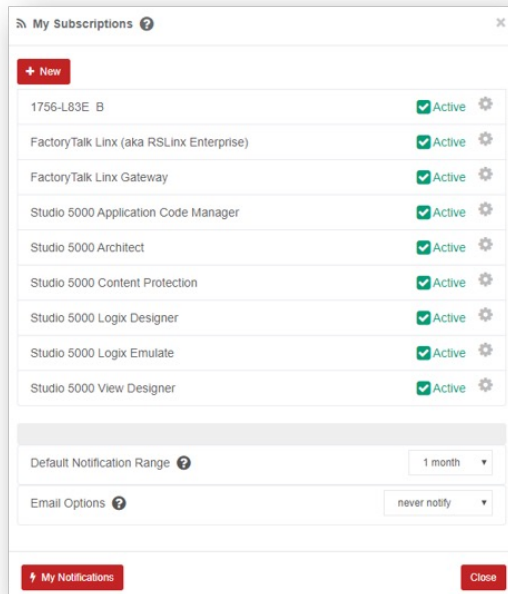
# Managing Software and Firmware

Address a very common customer productivity barrier in 3 ways.

Get actively notified when a new Version is published.

## PCDC

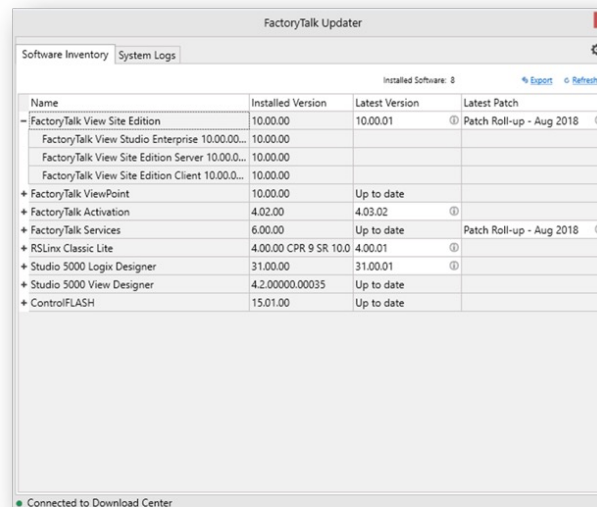
- Set up notifications for the products you use, get notified when a new Version is published.



Know what software you have and where it is.

## FactoryTalk® Updater

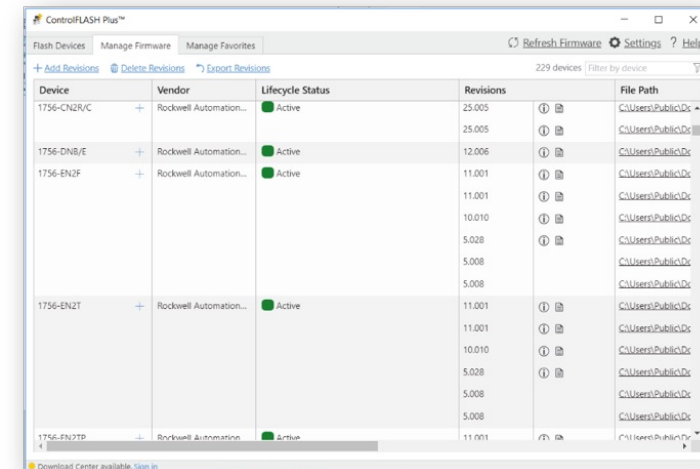
- Inventory what your organization has installed including software and Add-On Profiles.
- Manage what is installed, what's being used, by who and where.



Know what firmware your devices have and what's available.

## ControlFLASH Plus

- Inventory the firmware in devices, what you have downloaded and what is available from RA.
- Push firmware updates to numerous devices at once.





# FactoryTalk Alarms and Events

Alarms

960

Daily Alarms

0

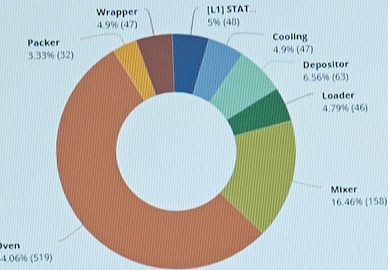
Weekly Alarms

0

Monthly Alarms

0

Alarms by Machine



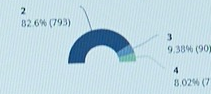
Top 10 Most Frequent Alarms



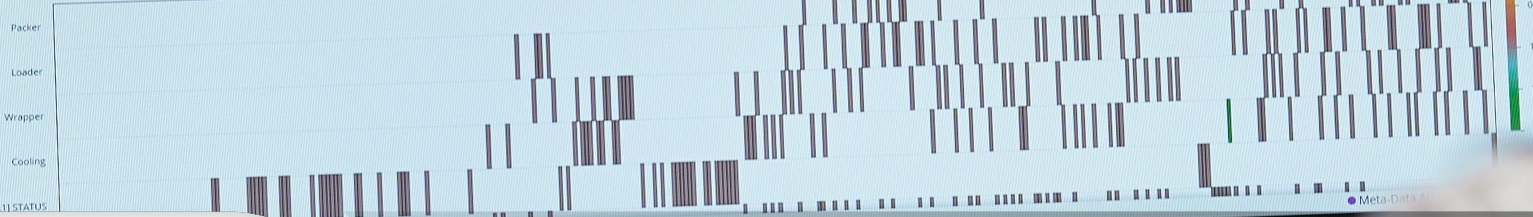
Alarms by Severity



Alarms by Priority



Alarms by ActiveTime



# FactoryTalk® Updater 4.0



expanding human possibility®



# FactoryTalk® Updater

May 2018

March 2020

October 2021

November 2022

**1.0**

**2.0**

**3.0**

**4.0**

- Local Computer
- Computer Software Inventory

- Networked Computers
- Software On-prem Inventory
- License On-prem Inventory

- Networked Computers on Domain
- License On-prem Usage
- Patch Deployment to Network

- Add on Profile Network Inventory
- Web Client
- Cloud Upload to Dashboard

# FactoryTalk® Updater

Find Machines Scan Export Switch Server Schedule Account Download Location Preferences

Machines  
Activations  
Logs

GROUPS +

Download and Deploy

Filter

Total 1 Machines
Last Updated: 6/13/2023 10:14:53 an

	Name	Address	Status	Installed Version		Latest Version		Latest Patch	Activations
<input type="checkbox"/>	> FactoryTalk View Site Edition			12.00.00	▲	13.00.00	ⓘ	Patch Roll-up - May 2023 <span style="font-size: 0.8em;">↓</span> ⓘ	▲
<input type="checkbox"/>	> FactoryTalk ViewPoint			12.00.00	▲	13.00.00	ⓘ	Patch Roll-up - May 2023 <span style="font-size: 0.8em;">↓</span> ⓘ	
<input type="checkbox"/>	> Logix Designer Compare Tool			9.01.00	▲	9.02.00	ⓘ		
<input type="checkbox"/>	> RSLogix 5			10.00.00	▲	Up To Date			
<input type="checkbox"/>	> RSLogix 500			12.00	▲	Up To Date			
<input type="checkbox"/>	> Studio 5000 Architect			7.00.00	▲	Up To Date			
<input type="checkbox"/>	▼ Studio 5000 Logix Designer			35.00	▲	Up To Date			
	Studio 5000 Logix Designer			35.00					
	Studio 5000 Logix Designer			34.00					
	Studio 5000 Logix Designer			33.00					
	Studio 5000 Logix Designer			32.03					
	Studio 5000 Logix Designer			31.02					
	Studio 5000 Logix Designer			30.01					
	Studio 5000 Logix Designer			24.02					
	Studio 5000 Logix Designer			21.03					
	RSLogix 5000 v20.05.00 (CP			20.05					
	RSLogix 5000 v19.01.00 (CP			19.01					
<input type="checkbox"/>	> Studio 5000 Logix Emulate			33.00.00	▲	35.00.00	ⓘ		
<input type="checkbox"/>	> Studio 5000 View Designer			8.2.00000.000		Up To Date			
<input type="checkbox"/>	Patch Roll-up CPR9 SRx			April 2023		May 2023	ⓘ		

● STATUS: CONNECTED TO DOWNLOAD CENTER



expanding **human possibility**™

# ControlFLASH Plus™

---



PUBLIC

# ControlFLASH Plus™

## Improved productivity

- Firmware revision cross-compatibility checking – identifies issues and suggests compatible choices
- Added firmware revision lifecycle states on Flash Devices and Manage Firmware tabs
- Added hardware lifecycle state on Flash Devices tab
- Automatic detection and reporting of Logix 5000® controllers in run mode and safety-locked before update operation starts – address devices in wrong states before starting flash operations
- Added permission control for firmware deletion and Product Compatibility Download Center (PCDC) connection via FactoryTalk® Security

## Improved usability

- Firmware inventory building performance improvements
- Includes FactoryTalk® Updater V2.00, FactoryTalk® Services and FactoryTalk® Linx V6.20
- V5 includes flashing of 5015 FLEXHA

The screenshot displays the ControlFLASH Plus software interface. The main window shows a list of flash devices with columns for Device, Lifecycle Status, Address, In Device, Flash To, and Status. A warning dialog box titled "Compatibility" is overlaid on the interface, indicating that the current choices contain revisions that are not compatible. The dialog box provides a table of "Compatible Choices" for the selected devices.

Lock Revision	Current Choices	In Device	Flash To	Compatible Choices	
	Device			Closest Compatible	
	1756-L73	32.011	32.051_kit1 ...	32.051_kit1 (Series B) ⚠	×
	1756-L73	32.011	32.051_kit1 ...	32.051_kit1 (Series B) ⚠	×
	1756-M16SE	32.001	32.001	32.001 ⚠	×

# ControlFLASH Plus™

Device	Lifecycle Status	Address	In Device	Flash To	Latest from Download Center	Status
Ethernet						
<input type="checkbox"/> 1783-BMS20CGPK, 1783-BMS20CGP Stratix 5700	Active Mature	192.168.1.1	▲ 9.001	▲ 15.021 (Series...)	▼	
1783-BMS10CGP Stratix 5700		192.168.1.2				
1783-BMS06TL Stratix 5700		192.168.1.3				
PowerFlex 525 1P 110V 50HP		192.168.1.5				
1756-EN2TR/B		192.168.1.11				
1756-A4/C 4						
17-Node USB CIP Port 4						
PowerFlex 525 1P 110V 50HP		192.168.1.20				
<input type="checkbox"/> FactoryTalk Linx - Desktop, CORPUSCHRISTILA	Please check with ve...	192.168.1.21	13.001	No firmware found		
1789-A17/A Virtual Chassis						
<input type="checkbox"/> 5069-L310ER, 5069-L310ER/A	Active	192.168.1.32	▲ 32.014	▲ 35.011 (Series...)	▼	
2 Slot 5069 Backplane 2						
<input type="checkbox"/> 5069-L310ER, 5069-L310ER/A	Active	0	▲ 32.014	▲ 35.011 (Series...)	▼	
<input type="checkbox"/> 5069-IB16/A, 5069-IB16/A	Active	1	▲ 2.011	▲ 2.015 (Series A)	▼	
17-Node USB CIP Port 13						
<input checked="" type="checkbox"/> 1756-L81E, 1756-L81E/B	Active	192.168.1.34	▲ 32.011	▲ 35.011_kit1	▼	
1756-A4/A or B 2						
17-Node USB CIP Port 15						
<input checked="" type="checkbox"/> 1756-EN2T, 1756-EN2T/C	Active	192.168.1.35	▲ 5.028	▲ 11.004 (Signe...)	▼	
1756-A4/C						

# Ethernet/IP Capacity Tool

# Prosoft Wireless Designer



expanding human possibility®

# Ethernet/IP Capacity Tool

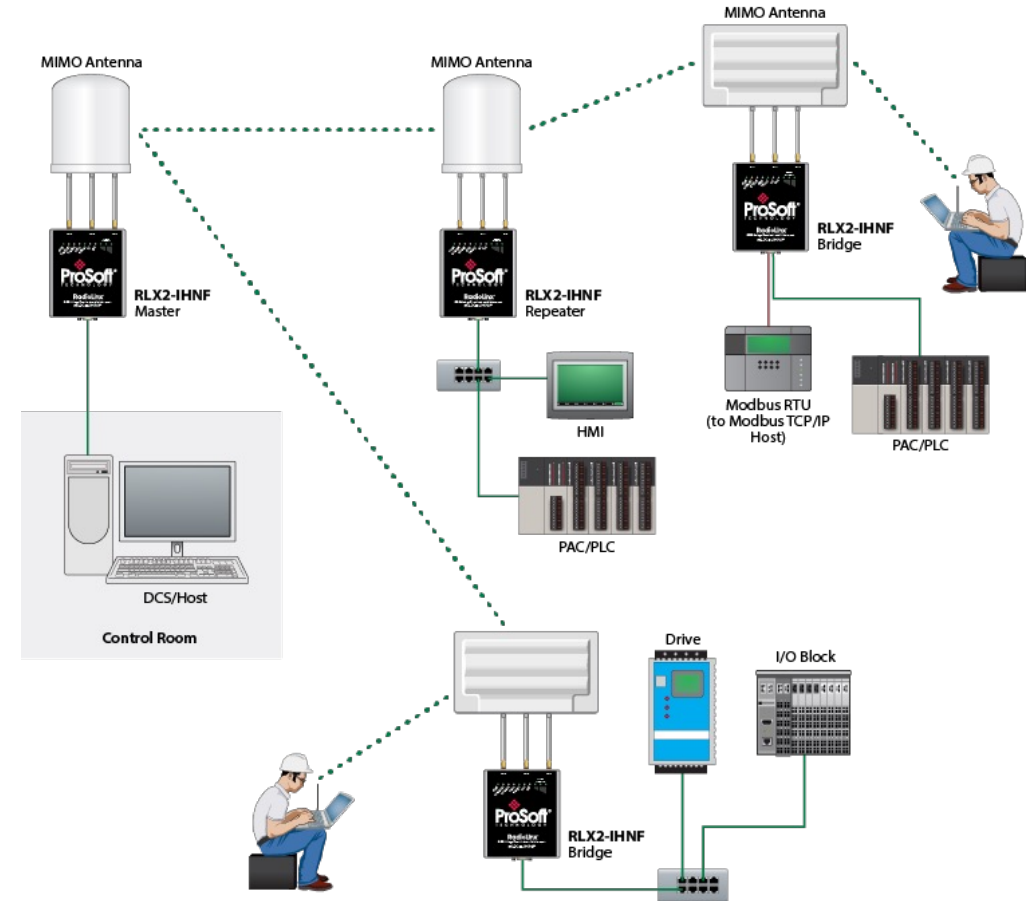
**EtherNet/IP Capacity Tool** that has been designed to help you calculate the resources required to support a control network. The tool takes a conservative approach to estimating the requirements of your network usage based on a few data points you provide it.

The EtherNet/IP Capacity Tool is used to measure the networking capacity of a single **Scanner Processor**. A Scanner Processor is either an EtherNet/IP module, such as the ControlLogix EN2T, or a Logix controller with a built-in EtherNet/IP port, such as the CompactLogix 5380.



# Prosoft Wireless Designer

Designer simplifies the task of planning and specifying your ProSoft Wireless network. The easy to use, wizard-based interface creates a visual layout of your radios and sites, and generates a complete Bill of Materials including radios and accessories



# Additional Resources



expanding human possibility<sup>®</sup>

# Helpful tools from Rockwell

[Rockwell Download by Serial Number](#) – older area that tends to be easier for finding relevant downloads if you have the serial number of the software and one other piece of identifying information

[Rockwell Product Selection Toolbox](#) - PST - full .iso download (~7GB) [here](#) - Includes quite a few useful tools such as **ProposalWorks** and **Integrated Architecture Builder** which can help speed up the design of a particular system as well as come up with some budgetary estimations. This is a free suite of tools that I use every day. Make sure to run the Current Program Updater after installation to get the latest product updates and migration information into the software as the initial download is dated February 2017. You may have to run the Current Program Updater a couple of times in order to bring everything up to date.

[Integrated Architecture Builder](#) - IAB - Overview of hardware products and light overview of software portfolio. This will allow you to perform a system buildout and verification per Rockwell's recommendations. It will give pricing at list price and you can also create reports for a particular project. There are labs, quick starts, sample configurations, and videos available under the help menu of IAB. Using these will give you a very good base to quickly come up with a BOM for a Rockwell system with Encompass Partner products.

[Rockwell Literature Library](#) - Access to the latest brochures, case studies, user manuals, technical data, certifications, etc.

[Rockwell Online Product Configurator](#) – online version of what you will find within ProposalWorks

[Rockwell Knowledgebase](#) - helpful site that includes a ton of documentation on known issues

[Rockwell Product Drawings](#) – some of these are included within ProposalWorks but they may not all be or if you are trying to discover something specific, this can be a good resource

[Rockwell Product Compatibility & Download Center](#) - PCDC - allows one to check the compatibility of hardware with software revisions and can lists any known anomalies

[Rockwell Product Lifecycle Status](#) - allows one to check the projected lifecycle of a Rockwell product and if a discontinued date is known

[Rockwell Partner Locator](#) – search for distributors, OEMs, SIs, Technology Partners, and sales offices