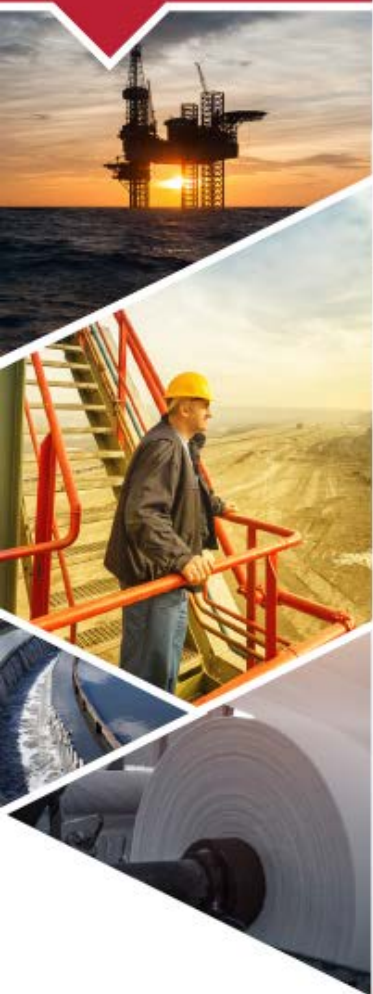


2018 Automation Fair® Event New Products and Solutions Directory

August 2018 – First Edition



LISTEN.
THINK.
SOLVE.®



DISCOVER

THE SOLUTIONS YOU'RE LOOKING FOR IN **ONE PLACE**

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Rockwell Automation Products and Solutions

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Compact GuardLogix® 5380 Safety Controller

Right-sizing your Safety Solutions to Optimize Cost and Performance

Features and Benefits:

Scalable

- Achieve SIL 2 / PLd with 1oo1 architecture
- Standard memory options 0.6...10.0 MB
- Safety memory options 0.3...5.0 MB
- Communication options for up to 180 EtherNet/IP nodes
- Conformally coated options for harsh environments

Integrated

- Single controller for Standard and Safety Control
- Single software for Standard and Safety Control
- Single network for Standard and Safety Control
- Mix and match safety and standard I/O
- Networked Safety Functions with Drives and Motion

High Performance

- Optimized for faster safety reaction time to help reduce safe distance and risk of injury



Description:

Manufacturers are continually looking for control solutions that adhere to the latest global safety standards while dealing with competitive pressures to reduce costs and improve productivity. As the latest addition to the CompactLogix™ 5380 family of controllers, the Compact GuardLogix® 5380 delivers scalable options for high performance, integrated safety in standard and conformally coated formats.

Available for Sale: Now

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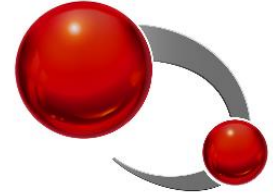
 **Learn more!** Visit the **Integrated Architecture® Exhibit (#1225)** at the 2018 Automation Fair® event.

Connected Components Workbench™ Software Version 12



Features and Benefits:

- Logix user experience with Micro800® Logix theme and PanelView™ 800 Usability Feature Pack
- Includes Micro850® 48-pt controller simulator with EtherNet/IP, simulated digital and analog I/O with Micro800™ plug-in and expansion I/O modules
- Configure device communications using RSLinx® Classic for optimum device compatibility or to FactoryTalk® Linx for enhanced security and OPC UA support
- Supports Micro870™ 24-point controller with 120V AC inputs; E200 Electronic Overload Relay; trending for monitoring PowerFlex® drives
- Save time with PanelView™ 800 DesignStation by importing: CompactLogix™ 5370 controller tags from Studio 5000 Logix Designer® in L5X file format with a few clicks, and Micro800™ controller tags without the need to select and name tags individually



Description:

Simplify your standalone machine development for multiple industries with the Connected Components Workbench™ software, which offers controller programming, device configuration, and integration with HMI editor as one package. Reduce your development time with Version 12 that includes Logix theme for a more comfortable Logix user experience. Shorten your programming process with sample code, user-defined functions (UDFs), and user-defined function blocks (UDFBs) and scale controllers and applications with converter tool and copy/paste feature. Moreover, this version supports device communications to FactoryTalk® Linx, includes Micro850® 48-pt controller simulator and PanelView™ 800 DesignStation enhancements. Device support is extended to Micro870™ 24-point controller with 120V AC inputs, which complements the existing 24-point DC input controllers, Micro800™ microSD™ plug-in for data log and recipe, E200 electronic overload relay, and trending for PowerFlex® drives including the PowerFlex® 755T AC drive.

Available for Sale: February 2019

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 **Learn more!** Visit the **Integrated Architecture® Exhibit (#1225)** at the 2018 Automation Fair® event.

Features and Benefits:

- Secure communications with new IPSec adoption that supports encrypted communications and increased integration of FactoryTalk® Linx software that enables disaster recovery and support for secured communication zones
- Now supports native disaster recovery of FactoryTalk® View SE software distributed assets, allowing for version management and backup scheduling of FactoryTalk® View SE software network applications
- Create schedules to back up the infrastructure of your equipment with Stratix® fully managed switches
- Extended third-party asset support, which allows customers to script solutions for third-party development software to execute disaster recovery remotely
- To support additional lifecycle content, FactoryTalk® AssetCentre now includes I/O for the PLC, SLC™, MicroLogix™, CompactLogix™, and ControlLogix® controllers



Description:

FactoryTalk® AssetCentre provides you with a centralized tool to secure, manage, version, track, and report automation-related asset information across your entire facility. The latest release includes an update with IPSec adoption that supports encrypted communications, and FactoryTalk® Linx integration that enhances disaster recovery. Create schedules to back up the infrastructure of your equipment with Stratix® fully managed switches. Additionally, with extended third-party asset support, customers can script solutions for third-party software to execute disaster recovery remotely. With asset extended properties, add up to 20 custom description fields to your assets. FactoryTalk® AssetCentre v9 release is focused on improving productivity, quality, and the security of your automation systems.

Available for Sale: January 2019

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 **Learn more!** Visit the **Integrated Architecture® Exhibit (#1225)** at the 2018 Automation Fair® event.

FLEX 5000™ I/O SFP Adapters, Safety Digital Modules, and Parallel Redundancy Protocol (PRP) Support



Features and Benefits:

- Ethernet adapter with small form factor pluggable (SFP) support for flexible media (fiber/copper), available in extreme environment (XT) and non-XT variants as catalog numbers: 5094-AENSFPR, 5094-AENSFPRXT, 5094-AEN2SFPR, 5094-AEN2SFPRXT
- Parallel Redundancy Protocol (PRP) and Device Level Ring (DLR) support for high-availability in Ethernet networks are available as firmware update for all Ethernet adapters
- Support for Safety and Automation Control in one flexible and reliable distributed I/O platform with additional catalog numbers: 5094-IB16S, 5094-OB16S, 5094-OW4IS
- Safety I/O modules are rated SIL 3, cat. 4 and PLe



Description:

FLEX 5000™ I/O has excellent reliability and is a flexible I/O solution that is hardened for application requirements with the ability to operate at -40°C to 70°C. This release introduces the SFP adapters in extreme environment (XT) and non-XT variants, which allow FLEX 5000™ I/O to provide native support for both copper and fiber-optic media, eliminating the need for additional media convertors. It also enhances communication with 1 Gb EtherNet/IP connectivity. In addition, the firmware update for all Ethernet adapters enables Parallel Redundancy Protocol (PRP) support that provides highly reliable and highly available communication networks with zero recovery time for data transmission. As part of offering the automation and safety functionality in one I/O solution, the discrete safety I/O are introduced with SIL 3, cat. 4, PLe rating and designed to fit into the standard FLEX 5000™ I/O system. Apart from the 16-point discrete input and output modules, the release also includes a 4-channel relay output module.

Available for Sale: December 31, 2018

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 **Learn more!** Visit the **Integrated Architecture® Exhibit (#1225)** at the 2018 Automation Fair® event.

Micro870™ Controller AC Input Base



Features and Benefits:

- Catalog number: 2080-LC70-24AWB
- Embedded 120V AC input type for AC sensors. AC sensors are suitable for applications with long distance between the controller and the sensor, and are more immune to noise than DC sensors
- Micro870™ 24-point controller, supports up to 20,000 program steps and up to 128 KB user data
- Supports up to three Micro800™ plug-in modules, up to eight expansion I/O modules and up to 304 I/O points
- Requires Connected Components Workbench™ software version 12



Description:

Machine builders and end users who look for customizable, cost-effective, and space-saving solutions with just the right performance often choose the Micro800™ controller family. The all-new Micro870™ controller improves scalability of the Micro800™ controller platform with double the memory capacity of Micro850® controller and supports up to eight expansion I/O modules. The Micro870™ controller brings the benefits of Micro800™ controller platform to your larger and more complex standalone applications. The Micro870™ controller is now available with 120V AC input type.

Available for Sale: March 2019

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 **Learn more!** Visit the **Integrated Architecture® Exhibit (#1225)** at the 2018 Automation Fair® event.

PanelView™ 5510 Graphic Terminal

Features and Benefits:

- Logix-based alarms are automatically available, reducing the need for additional configuration
- High-speed HMI buttons provide quick response and feedback for machine jogging applications
- Logix tag extended property support helps develop richer content
- Intuitive navigation menu reduces configuration time
- Scalable vector graphics automatically adjust objects and screens to any terminal size
- Create custom, reusable add-on graphics to more efficiently build your applications



Description:

The PanelView™ 5510 graphic terminal was designed for OEMs and end users who require a high degree of integration between their HMI and controller. Wide range of display sizes from 7" to 19" with wide screen, touch and keypad options. EtherNet/IP with DLR and embedded switch technology supports ring topology for network fault tolerance and reduced downtime. A physical navigation button on the terminal easily displays information. Both AC and DC power options offer application flexibility.

Available for Sale: December 2018

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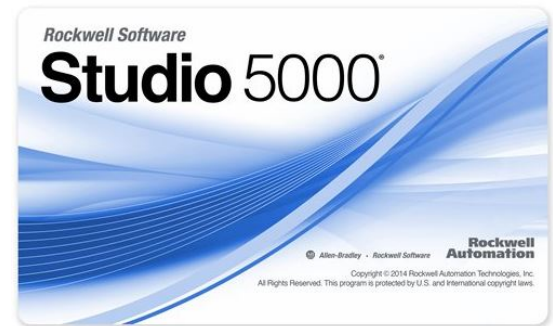
 **Learn more!** Visit the **Integrated Architecture® Exhibit (#1225)** at the 2018 Automation Fair® event.

Studio 5000® Design Environment



Features and Benefits:

- Studio 5000 Logix Designer® application supports AutomationML for data exchange along CAD tool chains
- Studio 5000 Logix Designer® enhancements include 64-bit math instruction support, new intuitive FBD Functions and Alarm Library Management improvements
- Use the new ControlFLASH Plus™ to reduce time updating multiple devices with new batch and parallel flashing capabilities
- Studio 5000® Application Code Manager auto creates parent/child objects with library links and adds library artifacts to libraries, including user documentation and FactoryTalk® View Global Objects
- Design, test, validate and commission machines by combining Simulink or FMI simulation models with the new Studio 5000® Simulation Interface



Description:

The Studio 5000® design environment combines engineering and design elements into one standard framework that enables optimized productivity and reduced commissioning time. This release of Studio 5000® includes major updates to both Logix Designer and Application Code Manager. The new release of Studio 5000® Simulation Interface enables the integration of simulation tools to help build a digital twin to better design and validate systems. ControlFLASH Plus™ latest release allows users to manage their devices lifecycle natively and increases productivity by updating multiple devices simultaneously. The Studio 5000® v32 software release is focused on optimizing productivity, increasing efficiency, and simplifying workflows.

Available for Sale: December 2018

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 **Learn more!** Visit the **Integrated Architecture® Exhibit (#1225)** at the 2018 Automation Fair® event.

42AF RightSight™ M30 Photoelectric Sensors

Features and Benefits:

- Robust right angle housing with 30 mm threaded nose and universal 18 mm threaded base for maximum installation flexibility
- 360-degree highly visible status indicators
- DC only and Universal (AC/DC) available models
- Dual Auto PNP/NPN helps streamline inventory by reducing the number of SKUs to stock
- Transmitted Beam (80 m) and Polarized Retroreflective (10 m) Sensing Modes
- Embedded IO-Link 1.1 communications protocol offered in all sensing modes enables customers to access enhanced diagnostic feature
- Firmware update and embedded IODD ready
- IP67, 1,200 PSI and IP69k rated enclosure



Description:

The 42AF RightSight™ M30 family of photoelectric sensors offers long range and high-performance general-purpose sensing in a robust, easy to install flexible mounting package. These sensors are ideal for applications where simplified installation and maintenance are required. RightSight™ M30 sensors can be mounted against a surface or can be installed using the threaded 18 mm base mounting options.

Designed to withstand the rigors of food processing and material handling environments, the RightSight™ M30 standard models can withstand repeated 1200 psi and IP69K high-pressure washdowns.

Available for Sale: January 2019

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 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

48CR Code Reader

Features and Benefits:

- Smallest Allen-Bradley® industrial reader with EtherNet/IP: 44.45 mm (1.75 in) x 25.4 mm (1.00 in) x 44.45 mm (1.75 in)
- High-end performance in a compact design
- Provides clear, high-speed scanning on 1D/2D codes (Including difficult DPM (Direct Part Marked) codes)
- 1.2 MP resolution available
- 0.050...1.0 m range (lens and target dependent)
- 16-LED integrated illumination (white and red)
- Simple setup button
- Connectors:
 - Power and I/O – M12 x 8
 - Ethernet – M12 x 4



Description:

The Allen-Bradley® 48CR with EtherNet/IP is a compact, high-performance code reader capable of solving simple label decodes and difficult low contrast DPM decodes. The 48CR easily scans 1D/2D codes with high-speed accuracy in automotive and general manufacturing environments. The 48CR features include 1.2 MP resolution, 0.050...1.0 m range, 16-LED integrated illumination, simple setup button, and status indicators.

Available for Sale: January 2019

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Learn more! Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

Control Tower™ 856T Tower Lights

Features and Benefits:

- Able to monitor critical conditions of the machine in a single signaling device – seven circuits available
- Offers more reliable performance in tough environmental conditions
 - IP66/67 ingress rating
 - Extended operating temperature range (-30°C to +70 °C)
- Easier selection thanks to a reduced number of components
- Minimized installation and setup time
 - Easy wire termination (Push-in terminal blocks or M12 quick disconnect bases)
 - Internal DIP switches to select module output or function
- Multiple audible choices to complement the visual indication
- Available for purchase as separate components or as pre-configured, factory-assembled stack lights for optimal flexibility



Description:

Our Bulletin 856T Control Tower™ Stack Light signaling system features a proven, modular construction design incorporating bright LED illumination and a broad offering of sound technologies all in a 70 mm diameter housing. All signals in the system are 24V AC/DC powered, which means that just three power modules can cover the entire system. This new design allows the 856T to meet the widest range of signaling applications with a reduced number of components without compromising functionality and flexibility.

Available for Sale: July 5, 2018

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 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

GuardShield™ 450L-E Advanced Light Curtain



Features and Benefits:

- Extended features and functionality from the 450L-B such as cascading, built-in muting and blanking
- Embedded functions configured quickly and easily via DIP switches or software, significantly reducing engineering effort
 - Muting, blanking, start mode, external device monitoring (EDM), scanning range
- Enhanced Integrated Laser Alignment System for quick installation and reliable operation
- Active protective field provides sensing over the entire length of a transceiver
- Compact design 30 mm x 30 mm (1.18 in. x 1.18 in.)
- Wide range of protection heights 150...1950 mm (5.9...76.7 in.)
- IP65 enclosure rating
- TÜV certified Type 4 IEC 61496-1/-2, PLe, SIL CL3 per EN ISO 13849-1, IEC 62061



Description:

The Allen-Bradley® GuardShield™ 450L-E Safety Light Curtains from Rockwell Automation are based on a unique patented transceiver technology that allows each stick to be used as a transmitter or as a receiver. The full functionality of a transceiver is provided by plug-ins inserted at the bottom of the sticks. By using only one stick type with the optimal plug-ins selected based on the requirements of the application, the GuardShield™ 450 L portfolio is a simple, cost-effective solution that offers enhanced flexibility while maintaining high levels of safety.

Available for Sale: July 30, 2018

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Chelmsford, MA, United States

 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

E300™ Electronic Overload Relay

Features and Benefits:

- Includes intelligent motor control (EtherNet/IP and DeviceNet enabled)
- Offers a scalable solution
- Provides diagnostic information
- Includes integrated I/O
- Provides adjustable trip class 5...30
- Offers wide current range
- Includes Test/Reset button
- Offers programmable trip and warning settings
- Includes true RMS current/voltage sensing (50/60 Hz)
- Provides protection for single- and three-phase motors
- Offers customization with Communication, Control or Sensing Modules



Description:

The Allen-Bradley® Bulletin 193/592 E300™ Electronic Overload Relays offer a flexible design, simplified wiring, and seamless Logix integration. Real-time diagnostics are transformed into actionable information that can maximize your uptime and help protect your assets.

Available for Sale: July 29, 2018 (Module B available November 2018)

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 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

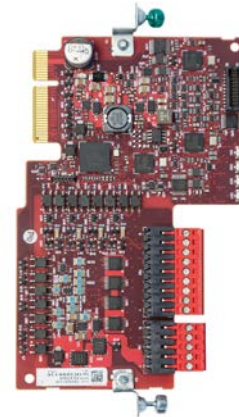
New Safety Option for PowerFlex® 755 and 755T AC Drives



Integrated Safety Functions Option Module

Features and Benefits

- Delivers advanced safety functions for PowerFlex® 755 and PowerFlex® 755TL, 755TR, and 755TM AC drives
- Provides safety via an EtherNet/IP network
- Provides rating up to and including SIL CL3, cat. 4, and PLe
- Safety instructions are based on IEC 61800-5-2. Specific functions: STO, SS1, SLS, SDI, SBC, and SLP. The PowerFlex® 755T drives also offer SS2 and SOS
- Requires Studio 5000 Logix Designer® application version 31 or later
- Features four general-purpose safety inputs and two safety outputs that are embedded in the module



20-750-S4 Option Module

Description:

A new integrated safety functions option module provides PowerFlex® 755 and PowerFlex® 755TL, 755TR, and 755TM AC drives with advanced safety on an EtherNet/IP network. Safety instructions are based on IEC 61800-5-2, including ability to monitor speed, direction, and position. Specific functions are: STO (Safe Torque Off), SS1 (Safe Stop 1), SLS (Safely-Limited Speed), SDI (Safe Direction), SBC (Safe Brake Control), and SLP (Safely-Limited Position). The PowerFlex® 755T drives also offer SS2 (Safe Stop 2) and SOS (Safe Operating Stop). The Integrated Safety Functions option provides safety ratings up to and including SIL CL3, cat. 4 and PLe. It requires Studio 5000 Logix Designer® version 31 or later.

Available for Sale: October 1, 2018

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Learn more! Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

FactoryTalk® Historian SE v.6.0

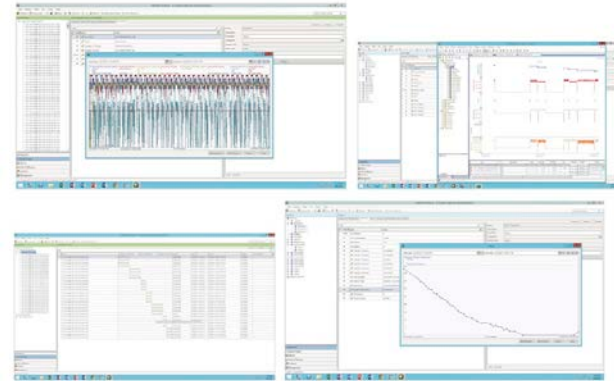


Features and Benefits:

- Enable full use of the collected data by using the various capabilities to calculate and aggregate the data collected from multiple data sources
- Reduce variability by verifying production parameters versus targets/norms
- Reduce deployment of new systems by using automatic discovery mechanisms to get new equipment data collection configured fast

NEW:

- A complete, plant-wide Historian solution with connectivity to both Rockwell Automation® and third-party devices simultaneously
- Statistical Quality Control (SQC) tests to determine if the value of an Asset attribute lies within user-specified margins of error
- Updated PI Server Components – PI Notifications 2017 R2
- Updated Platform Support Options



Description:

Real-time access to reliable information is the key to improving productivity and efficiency. When you know what's happening on the plant floor, you can make better decisions—about process, time and material management. The expanded capabilities of FactoryTalk® Historian SE provide you with the data capture, management and analytical capabilities for improved decision-making.

Built for robust data storage (>10M) while providing fast data retrieval, FactoryTalk® Historian SE v6.0 provides insight into performance parameters from a single subassembly, to a production line, and across the enterprise.

FactoryTalk® Historian SE v6.0 helps locate and correct sources of inefficiencies quickly. This helps you manage manufacturing consistency, energy use, first-pass quality, and other factors that can improve the bottom line.

Available for Sale: August 1, 2018

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 **Learn more!** Visit **The Connected Enterprise Industries Pavilion (#419)** at the 2018 Automation Fair® event.