Allen-Bradley
by ROCKWELL AUTOMATION

Simplify design, operations and maintenance

Address modern industrial automation needs with a flexible remote I/O solution, PointMax™ I/O



BEGIN

Industrial automation is evolving – Are your I/O systems ready?

Manufacturers today are under constant pressure to do more – with less. The push toward smarter operations, faster changeovers, and leaner maintenance processes means your automation infrastructure must adapt as quickly.

Yet traditional I/O systems, which rely on extensive wiring and large control cabinets, often limit innovation. You could face rigid architecture designs, complex wiring, and limited diagnostics. These real-world constraints slow down progress, impacting operation throughput and efficiency.

Flexibility is key in today's manufacturing environment. Whether you're designing new systems, integrating existing equipment, or maintaining uptime in tough industrial conditions – your I/O should work with you, not against you.

PointMax™ I/O offers greater design freedom to build smarter, more adaptable machines.

One Platform, Endless Possibilities

PointMax I/O provides a modular I/O solution with an extensive portfolio, designed to meet the diverse demands of modern industrial automation, particularly for discrete, hybrid, or process applications.

Design with freedom in small spaces

Build space-efficient architectures with flexible mounting and configuration options

Adapt to a wide range of applications in multiple industries

Support high-performance and high-speed application needs even in tough industrial environments with up to 1 Gbps network and backplane speed

Accelerate time-to-market with simpler and faster machine deployment

Enhance engineering flexibility through streamlined device integration supported by HART and IO-Link technologies

Improve uptime with streamlined operations and maintenance

Gain real-time visibility and actionable insights through advanced diagnostics

Start Building Smarter I/O Systems

System performance and adaptability will be key to responsive and flexible operations. The PointMax I/O system provides smart manufacturing capabilities that can improve productivity and empower you to keep pace with changing industrial demands.

Maximum Design Freedom

- Up to 32 modules in any mix
- Reduced engineering time with Automatic Device Diagnostics (ADDA)
- Multiple network architecture and topology options

Optimized Operations

- Wide operating temperatures at -25...+60 °C (-13...+140 °F)

Simplified Maintenance

- Easy module replacement with Removal and Insertion Under Power (RIUP)* and online configuration

- Conformity to stringent shock and vibration standards for more system reliability
- Data structure that is common across the 5000 series I/O
- XT variants for harsh environments with GX rating and standard variants with G3 rating
- Flexible mounting orientations
- HART and IO-Link technologies for automatic device integration
- Compatible with CompactLogix® 5380, CompactLogix 5480 and ControlLogix® 5580 controllers, using Studio 5000 Logix Designer® application version 36 or later
- Extensive portfolio of standard, safety, specialty, and Technology Partner I/O modules

* Supported for PointMax standard I/O modules only

Expand your I/O system potential with more capabilities



High-speed data transfer between compatible Logix 5000® controllers and remote I/O modules



An IO-Link master module supports the delivery of insightful data and diagnostics from IO-Link enabled devices to the control system



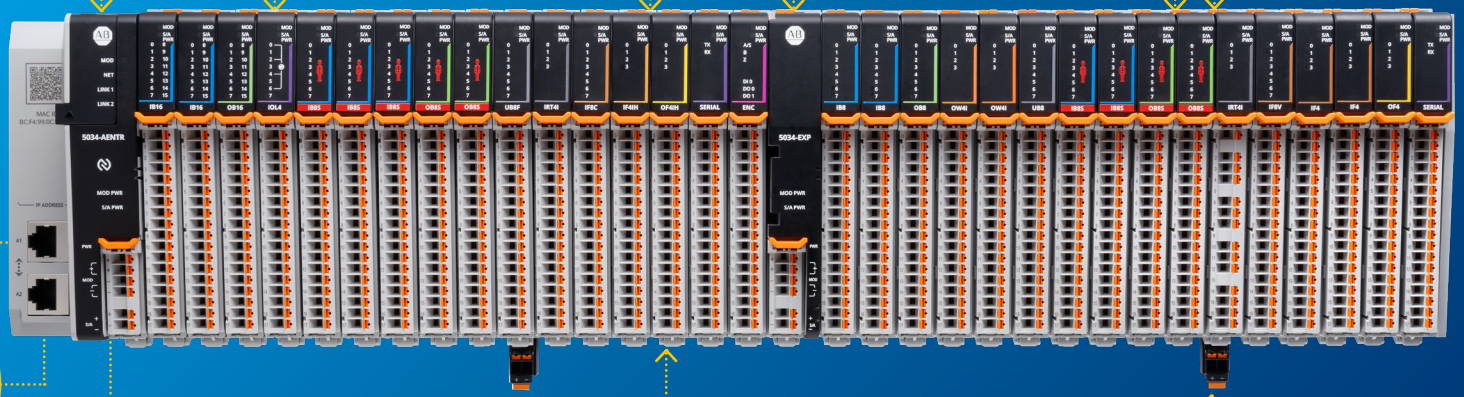
Easy access to additional process diagnostics via highly integrated HART (HIH) capabilities



Expansion power needed only after 16 I/O modules



Single-slot safety module reduces control panel size





Flexibility to mix standard, safety and specialty I/O modules in one system



1 Gbps EtherNet/IP™ network and backplane speed enable fast connectivity and better control



Faster commissioning and troubleshooting with the ability to set IP addresses and view device status by leveraging near-field communication (NFC) technology through the DeviceTools™ app



Multiple wiring options with spring push-in and screw type removable terminal blocks (RTB)



Leaner system width by drawing required additional field power via auxiliary terminals on a mounting base

Visit **PointMax™ I/O Modules Technical Documentation Center** for product specifications, user manuals and more.

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Reshape the future of your operations

The path to smarter, more adaptable machines starts with the right system. PointMax I/O delivers the flexibility to meet diverse application needs, the intelligence to enable smarter decisions, and the reliability to drive consistent performance. As manufacturing continues to evolve, an innovative I/O system will help you stay ahead by simplifying integration, accelerating deployment, and enabling agility across your operations.

Meet today's demands and tomorrow's opportunities with PointMax I/O.

Learn more by visiting **rok.auto/PointMaxIO**

Rockwell Automation recognizes that some of the terms that are currently used in our industry and in this publication are not in alignment with the movement toward inclusive language in technology.

We are proactively collaborating with industry peers to find alternatives to such terms and making changes to our products and content. Please excuse the use of such terms in our content while we implement these changes.

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