

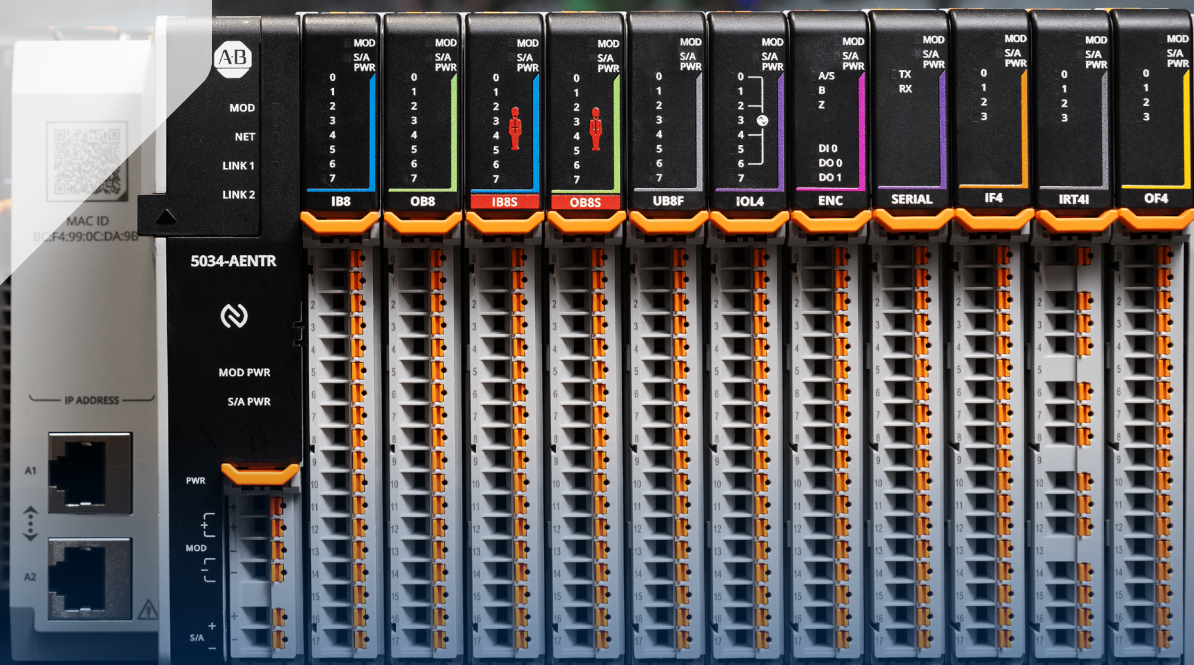


Allen-Bradley

by ROCKWELL AUTOMATION

Simplify design, operations and maintenance

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



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.



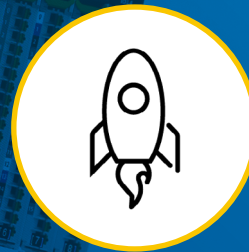
Design with freedom in small spaces

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)

Conformity to stringent shock and vibration standards for more system reliability

Simplified Maintenance

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

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



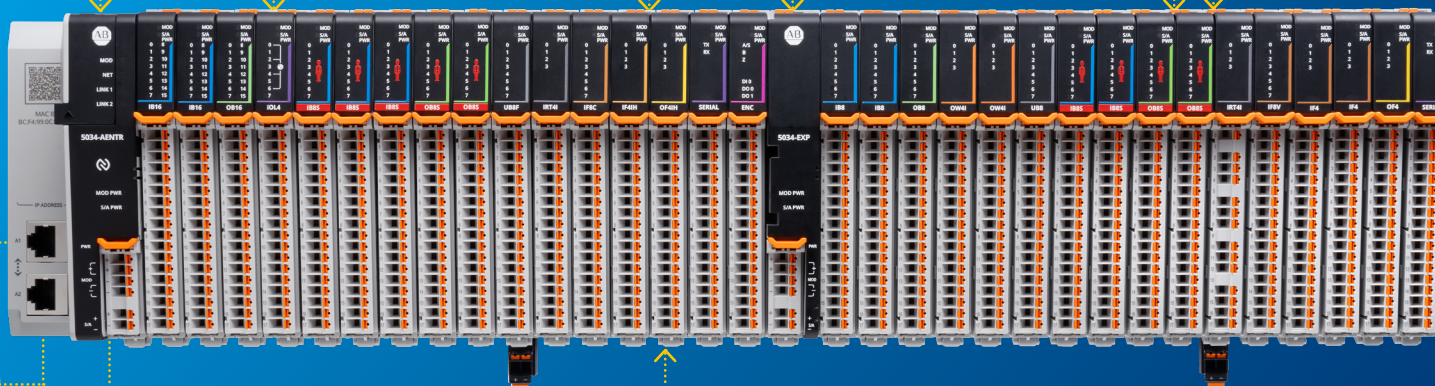
Easy access to additional process diagnostics via highly integrated HART (HH) capabilities



Expansion power needed only after 16 I/O modules



Single-slot safety module reduces control panel size



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



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

Visit [PointMax™ I/O Modules Technical Documentation Center](#) for product specifications, user manuals and more.

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**](https://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.



Connect with us.    

rockwellautomation.com — expanding **human possibility**[®]

AMERICAS: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000

EUROPE/MIDDLE EAST/AFRICA: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2663 0600

ASIA PACIFIC: Rockwell Automation SEA Pte Ltd, 2 Corporation Road, #04-05, Main Lobby, Corporation Place, Singapore 618494, Tel: (65) 6510 6608

UNITED KINGDOM: Rockwell Automation Ltd., Pitfield, Kiln Farm, Milton Keynes, MK11 3DR, United Kingdom, Tel: (44)(1908) 838-800

Allen-Bradley, CompactLogix, ControlLogix, DeviceTools, expanding human possibility, FactoryTalk, Logix 5000, PartnerNetwork, PointMax,

Rockwell Automation, Studio 5000 Logix Designer, and TechConnect are trademarks of Rockwell Automation, Inc..

EtherNet/IP is a trademark of the ODVA, Inc. Trademarks not belonging to Rockwell Automation are property of their respective companies.

Publication 5034-BR001A-EN-P – July 2025

Copyright © 2025 Rockwell Automation, Inc. All Rights Reserved. Printed in USA.