



**Allen-Bradley**

by ROCKWELL AUTOMATION

# PointMax I/O, Bulletin 5034

Elevate throughput and engineering flexibility with an integrated, scalable I/O platform



The PointMax™ I/O platform enables you to adapt to modern industrial needs easily with a comprehensive portfolio that offers market-leading performance and high versatility. This remote I/O solution is ideal for discrete, hybrid and process applications in multiple industries.

## SMALL AND POWERFUL

- Optimizes footprint through maximum design freedom
- Allows up to 32 modules in one I/O rack
- Enables fast connectivity and control with up to 1 Gbps network and backplane speed
- Operates at temperatures -25...+60 °C (-13...+140 °F) and with XT variants for harsh environments rated to GX

## FLEXIBLE I/O ENABLING THE INTEGRATED ARCHITECTURE® SYSTEM

- Offers an extensive range of standard, safety and specialty I/O modules
- Furnishes actionable insights with easy access to advanced diagnostics via highly integrated IO-Link and HART capabilities
- Supports multiple network architecture and topology options such as Parallel Redundancy Protocol (PRP), Device Level Ring (DLR), Linear, and Star
- Delivers expanded technological solutions through the availability of Technology Partner modules
- Works with CompactLogix® 5380, CompactLogix 5480 and ControlLogix® 5580 controllers, using Studio 5000 Logix Designer® application version 36 or later

## EFFICIENT DESIGN, OPERATION AND MAINTENANCE

- Provides consistent user experience with tags and data structure common across the 5000 series I/O architecture
- Eases commissioning and maintenance with the use of near-field communication (NFC) technology for IP configuration
- Minimizes engineering time with streamlined device integration, supported by HART and IO-Link technologies
- Reduces downtime with simplified Removal and Insertion Under Power (RIUP)\*, online addition and configuration support

\* Supported for PointMax standard I/O modules only

## DIGITAL AND ANALOG I/O MODULE

| Catalog number |              | Description   |
|----------------|--------------|---|
| 5034-IB16      | 5034-IB16XT  | 16-point digital input module                           |
| 5034-IB8       | 5034-IB8XT   | 8-point digital input module                            |
| 5034-OB16      | 5034-OB16XT  | 16-point digital output module                          |
| 5034-OB8       | 5034-OB8XT   | 8-point digital output module                           |
| 5034-OB4       | 5034-OB4XT   | 4-point digital output with 2 A module                  |
| 5034-OW4I      | 5034-OW4IXT  | 4-channel relay output isolated 2 A module              |
| 5034-UB8       | 5034-UB8XT   | 8-point configurable digital input/output module        |
| 5034-UB8F      | 5034-UB8FXT  | 8-point fast configurable digital input/output module   |
| 5034-IF8C      | 5034-IF8CXT  | 8-channel analog input current module                   |
| 5034-IF8V      | 5034-IF8VXT  | 8-channel analog input voltage module                   |
| 5034-IF4       | 5034-IF4XT   | 4-channel analog input voltage/current module           |
| 5034-IF4IH     | 5034-IF4IHXT | 4-channel analog input HART isolated module             |
| 5034-IRT4I     | 5034-IRT4IXT | 4-channel analog input RTD/Thermocouple isolated module |
| 5034-OF4       | 5034-OF4XT   | 4-channel analog output module                          |
| 5034-OF4IH     | 5034-OF4IHXT | 4-channel analog output HART isolated module            |

## SAFETY I/O MODULE

| Catalog number |             | Description                          |
|----------------|-------------|--------------------------------------|
| 5034-IB8S      | 5034-IB8SXT | 8-point safety digital input module  |
| 5034-OB8S      | 5034-OB8SXT | 8-point safety digital output module |

5034-IB16



## SPECIALTY I/O MODULE

| Catalog number |               | Description                                     |
|----------------|---------------|---|
| 5034-IOL4      | 5034-IOL4XT   | 4-channel IO-Link master module                 |
| 5034-ENC       | 5034-ENCXT    | 1-channel high-speed counter/SSI encoder module |
| 5034-SERIAL    | 5034-SERIALXT | 1-channel serial RS-232/422/485 module          |

5034-IB8SXT



## ADAPTERS, BASES AND EXPANSION POWER

| Catalog number |              | Description   |
|----------------|--------------|---|
| 5034-AENTR     | 5034-AENTRXT | EtherNet/IP™ RJ45 adapter<br>Supports up to 32 PointMax I/O modules |
| 5034-MB        | 5034-MBXT    | Mounting base 15 mm   |
| 5034-MBSA      | 5034-MBSAXT  | Mounting base 15 mm with SA power                                   |
| 5034-MBPTM     | 5034-MBPTMXT | Mounting base with power terminal module                            |
| 5034-EXP       | 5034-EXPXT   | Expansion power module and field                                    |

5034-AENTR



## REMOVABLE TERMINAL BLOCKS

| Catalog number | Description  |
|----------------|--|
| 5034-RTB18     | Removable terminal block screw 18-terminals              |
| 5034-RTB18S    | Removable terminal block spring with pusher 18-terminals |
| 5034-RTBT      | Removable terminal block CJC screw                       |
| 5034-RTBTS     | Removable terminal block CJC spring with pusher          |
| 5034-RTB24S    | Removable terminal block spring with pusher 24-terminals |

5034-RTB18



## SPECIFICATIONS

| Attributes                                 | Adapter  | Terminal base assembly<br>I/O module + mounting base + removable terminal base                                 |
|--|--|--|
| <b>Dimensions (HxWxD), approx.</b>         | 131.74 x 64.19 x 75.5 mm<br>(5.18 x 2.52 x 2.97 in.) | 132 x 15 x 79 mm<br>(5.19 x 0.59 x 3.11 in.)   |
| <b>Operating temperature</b>               |  | -25...+60 °C (-13...+140 °F) for horizontal orientation<br>-25...+55 °C (-13...+131 °F) for other orientations |
| <b>Operating shock</b>                     |  | 30 g   |
| <b>Nonoperating shock</b>                  |  | 50 g   |
| <b>Vibration</b>                           |  | 5 g @ 10...500 Hz  |
| <b>Corrosive resistance classification</b> |  | IISA S71.04 GX for XT catalogs   |

Catalog numbers with the suffix "XT" have additional conformal coating and design considerations that add a greater degree of protection when exposed to harsh, corrosive environments.

See [PointMax I/O System Specifications Technical Data](#) (publication 5034-TD001) for more details.

## ACCESSORIES

| Catalog number    | Description   |
|-------------------|---|
| 5034-AENRTB-QTY5  | 6-pin removable terminal block screw for EtherNet/IP adapter - Pack of 5  |
| 5034-AENRTBS-QTY5 | 6-pin removable terminal block spring for EtherNet/IP adapter - Pack of 5 |
| 5034-RTB2-QTY5    | 2-pin removable terminal block screw for MBSA mounting base - Pack of 5   |
| 5034-RTB2S-QTY5   | 2-pin removable terminal block spring for MBSA mounting base - Pack of 5  |
| 5034-SHIELD-QTY5  | Shield clamp - Pack of 5  |
| 5034-WIREHLD-QTY5 | Wirehold - Pack of 5  |
| 5034-ECR-QTY5     | End cap - Pack of 5   |
| 5034-N-QTY5       | Filler module - Pack of 5   |
| 5034-KEY-QTY5     | Removable terminal block keying - Pack of 5                               |

## PARTNER MODULES

The expanded Technology Partner offering brings more flexibility, allowing you to choose the I/O for your exact application needs.

| Technology Partners | Catalog number | Description  |
|---------------------|----------------|--|
| AMCI                | 5034-PTO-AM    | 1-channel pulse train output (PTO) module            |
|                     | 5034-PWM-AM    | 2-channel pulse width modulation (PWM) output module |
|                     | 5034-RES-AM    | 2-channel resolver interface module                  |
| Hardy               | 5034-WS-HI     | Weight scale module                                  |
| Helm                | 5034-PLM-HM    | 2-channel strain gauge input peak tonnage module     |
|                     | 5034-WM-HM     | 2-channel weight module                              |
| Spectrum            | 5034-IV8-SC    | 8-channel sourcing digital input module              |
|                     | 5034-OV8-SC    | 8-channel sinking digital output module              |

*Partner module description and availability are subject to change at the discretion of our Technology Partners. Information is accurate at the time of this publication.*

## LEARN MORE

► Visit [rok.auto/PointMaxI0](http://rok.auto/PointMaxI0)

► Access [PointMax I/O technical documentation](#)



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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