

# 1734 POINT™ I/O

## In-Cabinet Modular I/O Platform

### Benefits

#### Flexibility

- Connectivity to ControlNet, DeviceNet, EtherNet/IP and other open networks
- Linear, star, and ring EtherNet/IP network topology
- Individual, rack, and assembly-level connections
- Horizontal or vertical mounting without derating
- Safe and Standard I/O in the same chassis

#### Cost savings

- Modular design requires less enclosure space
- Up to 504 channels on a single network interface
- Removable terminations accelerate commissioning
- Remove and Insert Under Power (RIUP) reduces maintenance time
- Local autonomous control

#### Ease of use

- Fast, simple configuration and integration
- Full Add-on-Profiles in RSLogix 5000. No other software is needed.
- Channel-level diagnostics

#### Faster performance

- Multiple connection types
- Sense-to-actuate < 2 milliseconds

#### Self Configuring

- Greater flexibility
- Local control



POINT I/O is a family of modular I/O products ideal for applications requiring flexibility and low cost of ownership. With one to eight channel density modules, including a self-configuring discrete module, the modularity of POINT I/O minimizes system costs and size. The ability to mix standard and safe I/O provides even greater flexibility and opportunities for standardization, regardless of application requirements. Since it can be used in local and remote I/O, POINT I/O further reduces engineering costs in design, installation and application development.

As part of the Rockwell Automation Integrated Architecture, POINT I/O provides comprehensive channel-level diagnostics (wire off and short circuit), and configurable features, such as user-set filters and alarms, making it easy to use in your application.

POINT I/O is the only IP20-rated modular I/O solution compliant with ODVA requirements for linear, star, and ring EtherNet/IP architectures. This provides you with greater system reliability and availability, maximizing your uptime and system performance.

DeviceLogix™ technology embedded in POINT I/O creates a (POINTBus) control capability that processes discrete, analog, thermocouple and RTD inputs, providing high-speed localized control. Regardless of the application, POINT I/O brings the power of the Integrated Architecture to the field device in a small, easy-to-use package.

LISTEN.  
THINK.  
SOLVE.®

#### Adapter Products

|            |                                                 |
|------------|-------------------------------------------------|
| 1734-AENT  | 24V DC EtherNet/IP Adapter                      |
| 1734-AENTR | 24V DC Dual Port Ethernet/IP Adapter            |
| 1734-ACNR  | 24V DC ControlNet Adapter                       |
| 1734-ADN   | 24V DC DeviceNet Adapter                        |
| 1734-ADNX  | 24V DC DeviceNet Adapter with Sub-net Expansion |
| 1734-APB   | 24V DC PROFIBUS Adapter                         |

#### Digital Output Products

|            |                                                                 |
|------------|-----------------------------------------------------------------|
| 1734-OB8   | 24V DC 8 Output Source Module                                   |
| 1734-OB8E  | 24V DC 8 Point Output Module with Diagnostics                   |
| 1734-OB4   | 24V DC 4 Output Source Module                                   |
| 1734-OB4E  | 24V DC 4 Point Output Module with Diagnostics                   |
| 1734-OB2   | 24V DC 2 Output Source Module                                   |
| 1734-OB2E  | 24V DC 2 Point Output Module with Diagnostics                   |
| 1734-OB2EP | 24V DC Output Module with Diagnostics and Higher Current Output |
| 1734-OV8E  | 24V DC 8 Output Sink Module with Diagnostics                    |
| 1734-OV4E  | 24V DC 4 Output Sink Module with Diagnostics                    |
| 1734-OV2E  | 24V DC 2 Output Sink Module with Diagnostics                    |

#### Self-Configuring I/O Products

|              |                                                                 |
|--------------|-----------------------------------------------------------------|
| 1734-8CFG    | 8 Channel Self-Configuring Discrete I/O                         |
| 1734-8CFGDLX | 8 Channel Self-Configuring Discrete I/O Module with DeviceLogix |

#### Digital Input Products

|           |                                              |
|-----------|----------------------------------------------|
| 1734-IB8  | 24V DC 8 Input Sink Module                   |
| 1734-IB4  | 24V DC 4 Input Sink Module                   |
| 1734-IB4D | 24V DC 4 Point Input Module with Diagnostics |
| 1734-IB2  | 24V DC 2 Input Sink Module                   |
| 1734-IV8  | 24V DC 8 Input Source Module                 |
| 1734-IV4  | 24V DC 4 Input Source Module                 |
| 1734-IV2  | 24V DC 2 Input Source Module                 |

#### Analog Products

|           |                                            |
|-----------|--------------------------------------------|
| 1734-IE2C | 24V DC 2 Analog Current Input Module       |
| 1734-IE4C | 24V DC 4 Analog Current Input Module       |
| 1734-IE8C | 24V DC 8 Analog Current Input Module       |
| 1734-IE2V | 24V DC 2 Analog Voltage Input Module       |
| 1734-OE2C | 24V DC 2 Analog Current Output Module      |
| 1734-OE2V | 24V DC 2 Analog Voltage Output Module      |
| 1734-OE4C | 24V DC 4 Analog Current Output Module      |
| 1734-IR2  | 24V DC 2 Channel RTD Input Module          |
| 1734-IR2E | 24V DC 2 High Resolution RTD Input Module  |
| 1734-IT2I | 24V DC 2 Channel Thermocouple Input Module |

#### AC and Relay Products

|          |                                      |
|----------|--------------------------------------|
| 1734-OW2 | 24V DC Coil 2 Point NO SPST Relay    |
| 1734-OW4 | 24V DC Coil 4 Point NO SPST Relay    |
| 1734-OX2 | 24V DC Coil 2 Point NO/NC DPST Relay |
| 1734-IA2 | 120V AC 2 Point Input Module         |
| 1734-IA4 | 120V AC 4 Point Input Module         |
| 1734-IM2 | 220V AC 2 Point Input Module         |
| 1734-IM4 | 220V AC 4 Point Input Module         |
| 1734-OA2 | 120/230V AC 2 Point Output Module    |
| 1734-OA4 | 120/230V AC 4 Point Output Module    |

#### Specialty Products

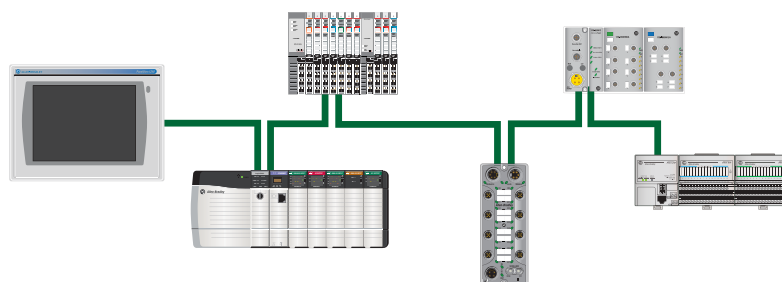
|             |                                       |
|-------------|---------------------------------------|
| 1734-232ASC | RS232 ASCII Interface Module          |
| 1734-485ASC | RS485/422 ASCII Interface Module      |
| 1734-VHSC24 | 24V DC VHSC w/ Source Output Module   |
| 1734-VHSC5  | 5V DC VHSC w/ Source Output Module    |
| 1734-IK     | 24V DC Incremental Encoder Module     |
| 1734-IJ     | 5V DC Incremental Encoder Module      |
| 1734-SSI    | SSI Absolute Encoder Interface Module |
| 1734-ARM    | Address Reserve Module                |
| 1734-CTM    | Common Terminal Module                |
| 1734-VTM    | Voltage Terminal Module               |

#### Power Supply Products

|             |                                   |
|-------------|-----------------------------------|
| 1734-EP24DC | 24V DC Power Extension Module     |
| 1734-EPAC   | AC Voltage Power Extension Module |
| 1734-FPD    | Power Isolation Module            |
| 1734-PDN    | DeviceNet Interface Module        |

#### Terminal Bases & Accessories

|            |                                                             |
|------------|-------------------------------------------------------------|
| 1734-TB    | 8 Point Terminal Base w/removal screw terminal              |
| 1734-TBS   | 8 Point Terminal Base w/removal spring terminal             |
| 1734-TB3   | 12 Point Terminal Base w/removal screw terminal             |
| 1734-TB3S  | 12 Point Terminal Base w/removal spring terminal            |
| 1734-TBCJC | Terminal Base w/removal cold-junction compensation terminal |
| 1734-TOP   | One-piece 8 Point Terminal Base w/screw terminal            |
| 1734-TOPS  | One-piece 8 Point Terminal Base w/ spring terminal          |
| 1734-TOP3  | One-piece 12 Point Terminal Base w/screw terminal           |
| 1734-TOP3S | One-piece 12 Point Terminal Base w/spring terminal          |
| 1734-EXT1  | 1m Bus Extension Cable                                      |
| 1734-EXT3  | 3m Bus Extension Cable                                      |



Dual Port Adapters enable Linear topology on EtherNet/IP, saving the costs of a centralized switch and additional cabling.

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