### PanelView 5000
- **Capacity**
  - 512 MB - 1 GB Memory
  - Hot Swapable Secure Digital (SD) card slot
  - 2-3 USB ports for external devices, programming
  - Windows CE 6.0 operating system

- **Configuration**
  - Premier integration with Logix Controllers
  - Logix Tag Reuse, Global Objects, Faceplates and AOIs
  - Single Development Environment

- **Performance**
  - ARM 1.0 GHz or X86 1.66 GHz CPU
  - 4, 6, 7, 9, 10, 12, 15 and 19 inch Display Sizes
  - Color Keypad/Touch Screen Options

### 5069 Compact I/O
- **Capacity**
  - 31 I/O Modules in a single rack

- **Configuration**
  - Integrated USB for ease of configuration
  - Supports Module Discovery and Add I/O Online

- **Performance**
  - 1 Gb Dual Port EtherNet/IP Connectivity
  - With ControlLogix 5580, under 1ms screw to screw performance
  - Windows CE 6.0 operating system
  - 2-3 USB ports for external devices, programming
  - Hot Swappable Secure Digital (SD) card slot
  - Color Keypad/Touch Screen Options
  - 4, 6, 7, 9, 10, 12, 15 and 19 inch Display Sizes
  - ARM 1.0 GHz or X86 1.66 GHz CPU

### PowerFlex 527
- **Capacity**
  - 5 to 30 HP, 4 to 23 kW
  - 100 to 600V single or 3-phase
  - 240VDC digital I/O
  - Analog I/O
  - Embedded EtherNet/IP (Linear/Ring with Dual Port Option)

- **Configuration**
  - Studio 5000 Logix Designer common motion programming, configuration, commissioning and drive diagnostic & maintenance tools.
  - Embedded Safe Torque Off (SIL3 PLe)

- **Performance**
  - Ideal complement to machines already using Kinetix servo drives.
  - Designed for the in/out feed conveyors and fan and pump applications requiring induction motor control.

### ControlLogix 5580
- **Overview**
  - L8SE
  - Memory: 10 Mb
  - EtherNet/IP I/O nodes: 100
  - Integrated Motion: 1-256 Axis

- **Performance**
  - 1 Gb built-in EtherNet/IP Port while maintaining capability to add 1756-ENXT(R) as desired
  - With 5069 Compact I/O, under 1ms screw to screw performance
  - Communications no longer impacts controller performance
  - Up to 40% more application capacity

### ControlLogix 5580 Configuration
- **Common development environment for all control disciplines across the entire Logix family**
- **USB Port provides easy access to module and networks for configuration and troubleshooting**

### ControlLogix 5580 Capacity
- **Scalable to a wide range of applications (See Table)**
- Integrated Motion on EtherNet/IP provides a cost effective solution for from 1-256 axis of motion

### Slim ArmorBlock SOE I/O Module Capacity
- **Sequence of Events (SOE) module**
- **Includes 100us transition time stamp**

### 1756 Slim Power Supply
- **29% reduction in width**

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**Note:** Performance is what we tested, not the max capacity.

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**Publication IASIMP-QR003B-EN-P - September 2017**

Superceded publication IASIMP-QR003A-EN-P - December 2015
This ControlLogix 5580 based high performance system demonstrates the power and scalability of the Integrated Architecture on an EtherNet/IP based network. This system utilizes standard Ethernet technology to allow you to easily mix and match high speed Motion control, I/O control, drive control, and HMI on a single EtherNet/IP network.

A key advantage of this architecture is the ability to use Studio 5000 Logix Designer common integrated motion programming, configuration, commissioning, and motion tools for the Kinetix 5700, Kinetix 5500, PowerFlex 527 and PowerFlex 755 families of products.

Bill of Material

<table>
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<tr>
<th>Qty</th>
<th>Catalog #</th>
<th>Description</th>
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<tr>
<td>1</td>
<td>5069-AENTR</td>
<td>1734 DUAL PORT ETHERNET/IP ADAPTER</td>
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<tr>
<td>1</td>
<td>5069-FO</td>
<td>1734 FIELD POTENTIAL DISTRIBUTOR</td>
</tr>
<tr>
<td>1</td>
<td>5069-OA</td>
<td>1734-0A AC 2 CHANNEL INPUT MODULE</td>
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<td>1794-PS13 85-264V AC TO 24V DC 1.3A</td>
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<tr>
<td>1</td>
<td>1756-PA50</td>
<td>85-265 VAC SLIM POWER SUPPLY (8A @ 5V DC)</td>
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<td>1</td>
<td>1756-FA50</td>
<td>85-265 VAC SLIM POWER SUPPLY (6A @ 5V DC)</td>
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<td>1</td>
<td>9324-RLD300yyE</td>
<td>STUDIO 5000 LOGIX DESIGNER STANDARD EDITION</td>
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<td>1734-TB</td>
<td>MODULE BASE W/REMOVABLE IEC SCREW TERMINALS</td>
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<td>SINGLE CABLE FOR CONNECTIVITY</td>
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<td>POWERFLEX 527 DRIVE, 1HP FRAME A</td>
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<td>1</td>
<td>25C-2P3NI14</td>
<td>POWERFLEX 527 DRIVE WITH EMBEDDED DUAL PORT ETHERNET/ IP AND INTEGRATED SAFETY, 1 HP FRAME A</td>
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</table>

About this Configuration

About the Products

Logix Controllers
- A common set of controls, networks, and programming software available in multiple hardware platforms
- Multiple control disciplines in a single controller – sequential / motion / drives / process
- Multiple Program Languages available in all controllers – Ladder Diagram, Function Block, Structured Text, and Sequential Function Chart
- Tag-based architecture instead of addresses native in the controller

5069 Compact I/O
- A new generation of Compact I/O
- High performance control in a compact design
- Scan time improvements as much as 10x

PanelView 5500
- Reuse tags from Logix controllers by choosing them from a list
- 4” - 15” screen sizes available
- Touchscreen, keypad or combination
- Integrated EtherNet/IP, add-on communications for many other networks
- Advanced Operator Interface features such as trending, expressions, data logging, animation

PowerFlex Drives
- Serves applications ranging from 0.2 kW (0.25 hp) to 6,770 kW (9,000 hp).
- Common set of networks, operator interface and programming for all PowerFlex drives
- Communication Options – Ethernet/IP, ControlNet, DeviceNet, DH Plus, RIO, 3rd party networks
- Hundreds of pieces of status and diagnostic information are shared with Logix controllers directly

Kinetix Servos
- Scalable solution for applications from 100W to 112KW
- Integrated platform to simplify machine design and commissioning
- Smart Motor Technology to provide automatic identification of correct motor-to-drive connectivity

POINT I/O
- Available in IP-20 or IP-67 styles
- Densities from 2-8 points per module
- Removable screw or spring terminals without rewiring
- Mounts horizontally or vertically with no derating required
- Supports EtherNet/IP, ControlNet, DeviceNet and 3rd party networks

Stratix Switches and Network Infrastructure
- Stratix 5400, 5700, 8000 and 8300 Managed switches offer Loop Prevention, Security Services, Diagnostic Information, Segmentation Services(VLANs), Prioritization Services(QoS), and Multicast Management Services.
- Stratix 2000 Unmanaged Switches offer no layer 2 or layer 3 management functionality, but offer lower cost.
- Consider Network Address Translation (NAT), available with the 9300-ENA NAT device and the Stratix 5400/5700 with NAT option, depending on your application requirements.

For More Information and Help
For more information contact your local distributor or Rockwell Automation sales representative.

www.ab.com (Product Directory, Publication Library, Technical Support)