Selection Guide

Allen-Bradley

Midrange Architecture System

LISTEN. THINK. SOLVE.®

Allen-Bradley • Rockwell Software

Rockwell Automation

What's New

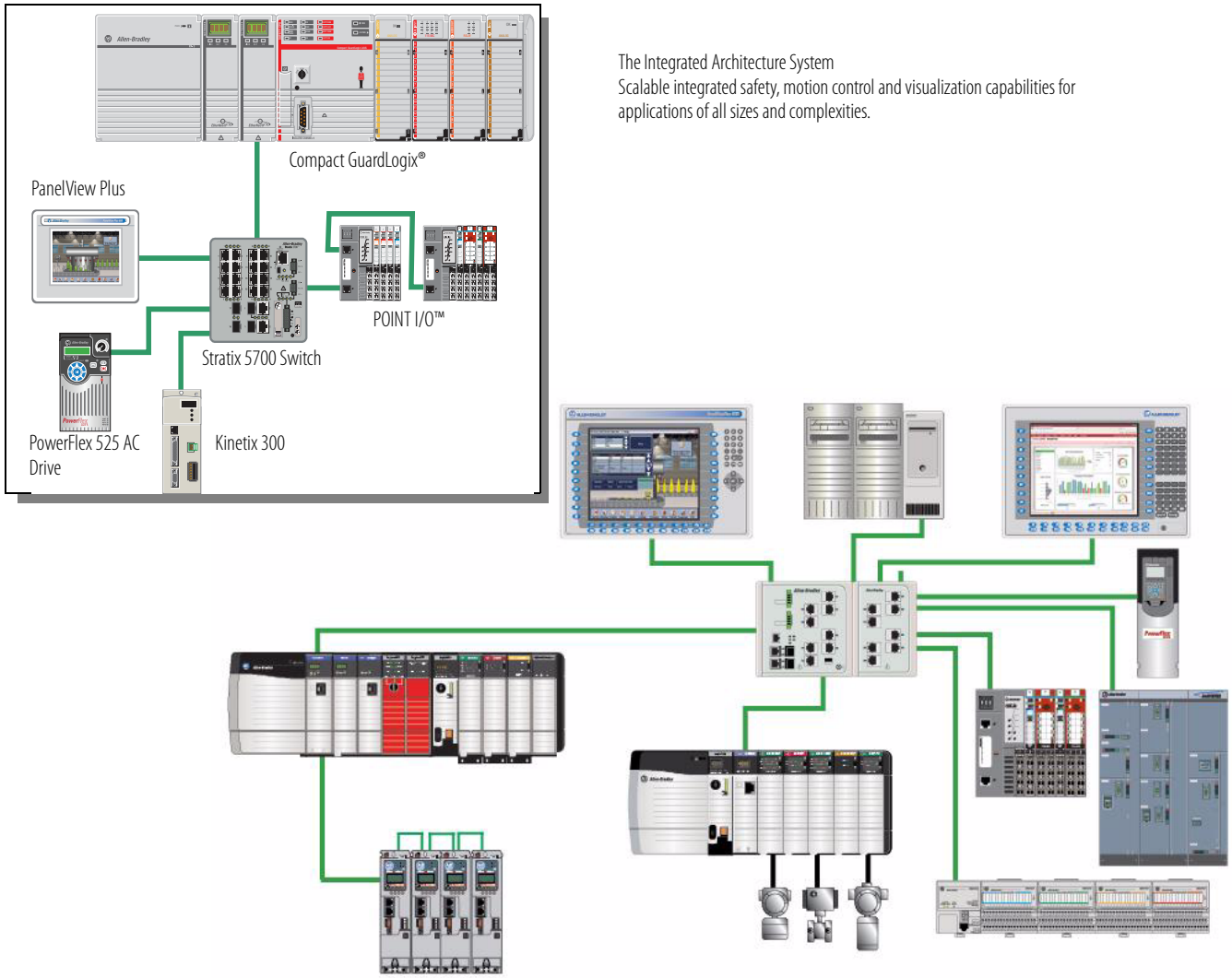
The following new products offer the same flexibility, reduced development time and cost, and ease-of-use as products used in larger scale systems, now for midrange applications.

Integrated Architecture™ Product	Description
Stratix 5700™ managed switch 	The Rockwell Automation Stratix 5700 is an industrial Ethernet, managed switch based on Cisco Technology. This switch offers a broad range of switching capabilities for smaller applications through IT-ready integration with a plantwide infrastructure. The switch supports tools for configuration and monitoring by both IT and manufacturing professionals. These tools provide secure integration to the enterprise network, while allowing for easy setup and diagnostics from within the Rockwell Automation Integrated Architecture environment.
Kinetix® 5500 servo drive 	The Kinetix 5500 servo motor and VP-Series Low Inertia servo motor offering is designed to connect and operate with the CompactLogix™ 5730 family of controllers. The Kinetix 5500 requires less panel space and can be connected easily. In addition, you can reduce installation and commissioning time by using just a single cable. To further enhance the design, the Kinetix 5500 has two embedded Ethernet ports for both linear and device-level topologies.
PowerFlex® 525 AC drive 	The PowerFlex 525 AC drive provides motor control in a compact, innovative design, with simplified programming, EtherNet/IP communications, embedded safety, and energy savings to help you maximize system performance and reduce your time to design, develop and deliver your machines. • Modular design speeds installation and configuration time • Embedded port for EtherNet/IP connectivity • Embedded safe-torque off • Fully compatibility with Logix5000™ controllers • Support for high-ambient operating temperatures • More motor control options for drives up to 22 kW/30 hp at global voltages 100. . .600V
Studio 5000™ version 21.00.00 design and engineering environment 	The Studio 5000 Engineering and Design Environment combines engineering and design elements into a common environment. The first element in the Studio 5000 environment is the Logix Designer application. The Logix Designer application is the rebranding of RSLogix 5000 software and will continue to be the package to program Logix5000 controllers for discrete, process, batch, motion, safety, and drive-based solutions. The Studio 5000 environment is the foundation for the future of Rockwell Automation engineering design tools and capabilities. The Studio 5000 environment is the one place for design engineers to develop all of the elements of their control system.

Common Products and Tools to Scale Any Solution

As a machine builder or end user, you design machine control solutions with a focus on improving safety, achieving higher levels of performance and efficiency, and better integration with the rest of the manufacturing operation. To achieve these goals, you need a scalable, modular control system that offers the safety, throughput, and information management capabilities to match each application's requirements. Moreover, if you're an end user, you want a control system that doesn't require significant reconfiguration each time you make a production change.

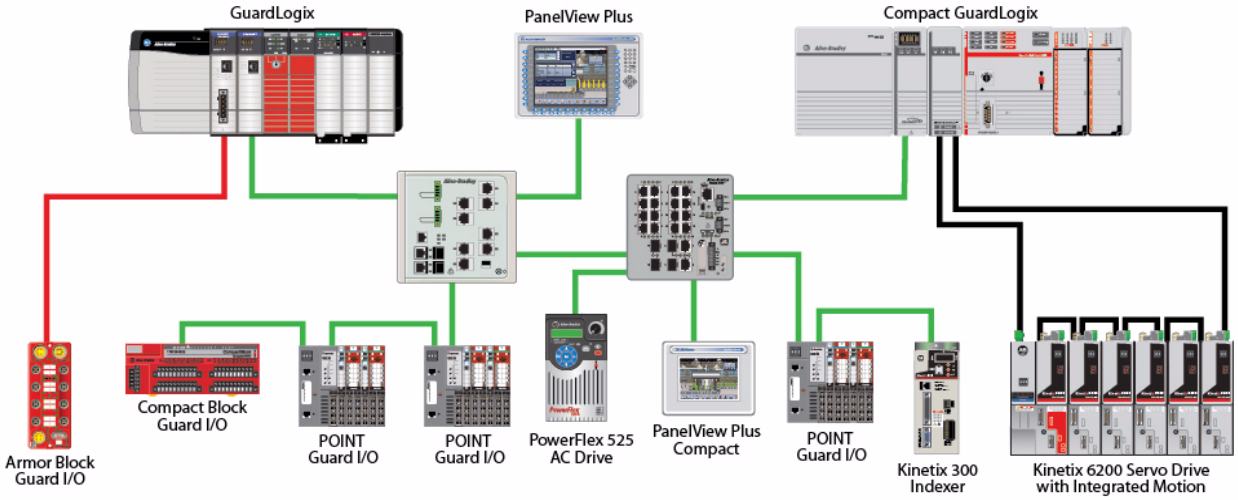
The Rockwell Automation® Integrated Architecture system is unique in that it offers scalable, integrated safety, motion control, and visualization capabilities that are ideal for machine builders and end users who want a single control and development environment, regardless of application size, discipline, or complexity. Through features such as integrated safety and standard control, high-integrity Add-On Instructions, information-enabled open networks and software, and reusable development tools, we help you to develop and/or deliver machine control solutions that exceed expectations.



The Integrated Architecture System
Scalable integrated safety, motion control and visualization capabilities for applications of all sizes and complexities.

Our innovative approach lets you use common automation products and tools to scale a solution for your entire range of applications. The Integrated Architecture system offers you the flexibility to find the best fit through a range of products and tools, including controllers, I/O, visualization, motion, drives, safety and information—all scalable:

- Architecture sizes
- Product offerings
- Capabilities for core, multiple-discipline functions

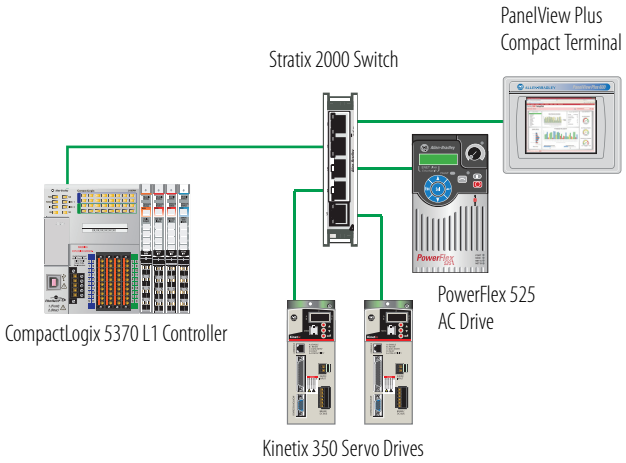


Standalone Machine

The CompactLogix 5370 L1 controllers combine the power of the Logix architecture with the flexibility of POINT I/O in a compact and affordable package. Ideal for small to mid-size machines, these controllers offer value to customers looking for the benefits of Integrated Architecture in a lower cost system.

Integrated architecture products:

- CompactLogix 5370 L1 controller with local 1734 POINT I/O modules
- PanelView Plus Compact terminal
- Kinetix 350 servo drives
- PowerFlex 525 AC drive
- Stratix 2000™ switch

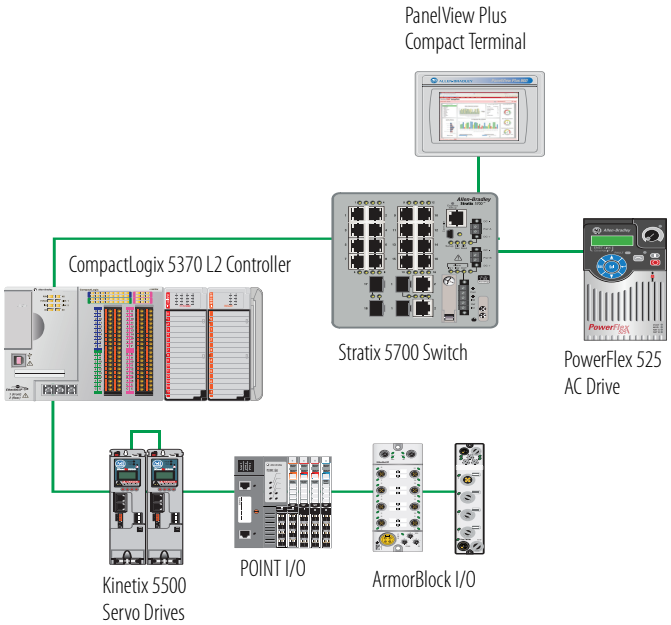


Small Machine

The CompactLogix 5370 L2 controllers deliver scalable, affordable control in a space-saving form factor. From small standalone equipment to higher performance applications, these controllers are ideal for assembly machines, hoisting systems, process skids, indexing tables, and packaging.

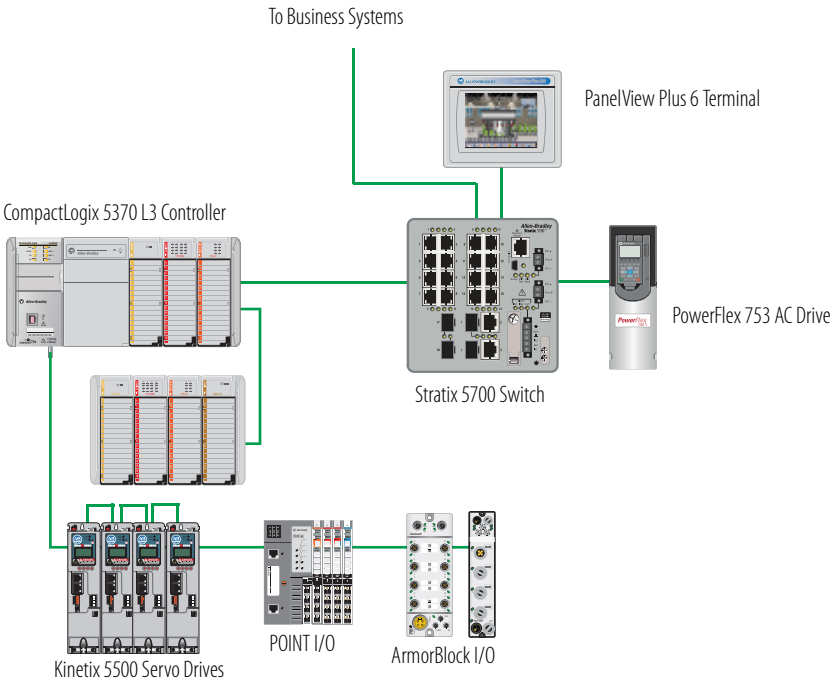
Integrated architecture products:

- CompactLogix 5370 L2 controller with local 1769 Compact I/O™ modules
- 1734 POINT I/O modules
- Kinetix 5500 servo drives
- 1732 ArmorBlock® I/O modules
- PanelView Plus Compact terminal
- PowerFlex 525 AC drive
- Stratix 5700™ switch



Standard Machine

The CompactLogix 5370 L3 controller system provides an integrated solution for midsize applications. Typically, these applications are machine-level control applications that require smaller I/O quantities and more communication capabilities than serial connectivity.

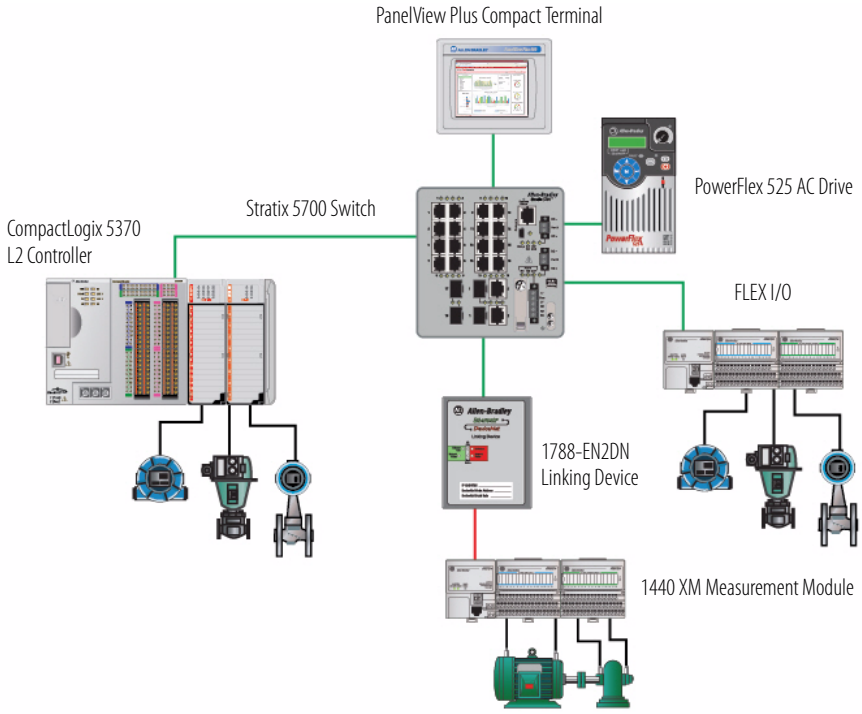


Integrated architecture products:

- CompactLogix 5370 L3 controller with local 1769 Compact I/O modules
- 1734 POINT I/O modules
- 1732 ArmorBlock I/O modules
- PanelView Plus 6 terminal
- Kinetix 5500 servo drives
- PowerFlex 753 AC drive
- Stratix 5700 switch

Process Skid

Packaged units for process applications combine a CompactLogix controller with HART field devices. The HART field devices connect directly to analog I/O modules that are HART enabled. The modules do not require separate HART multiplexers and offer powerful functionality such as scaling and alarming.



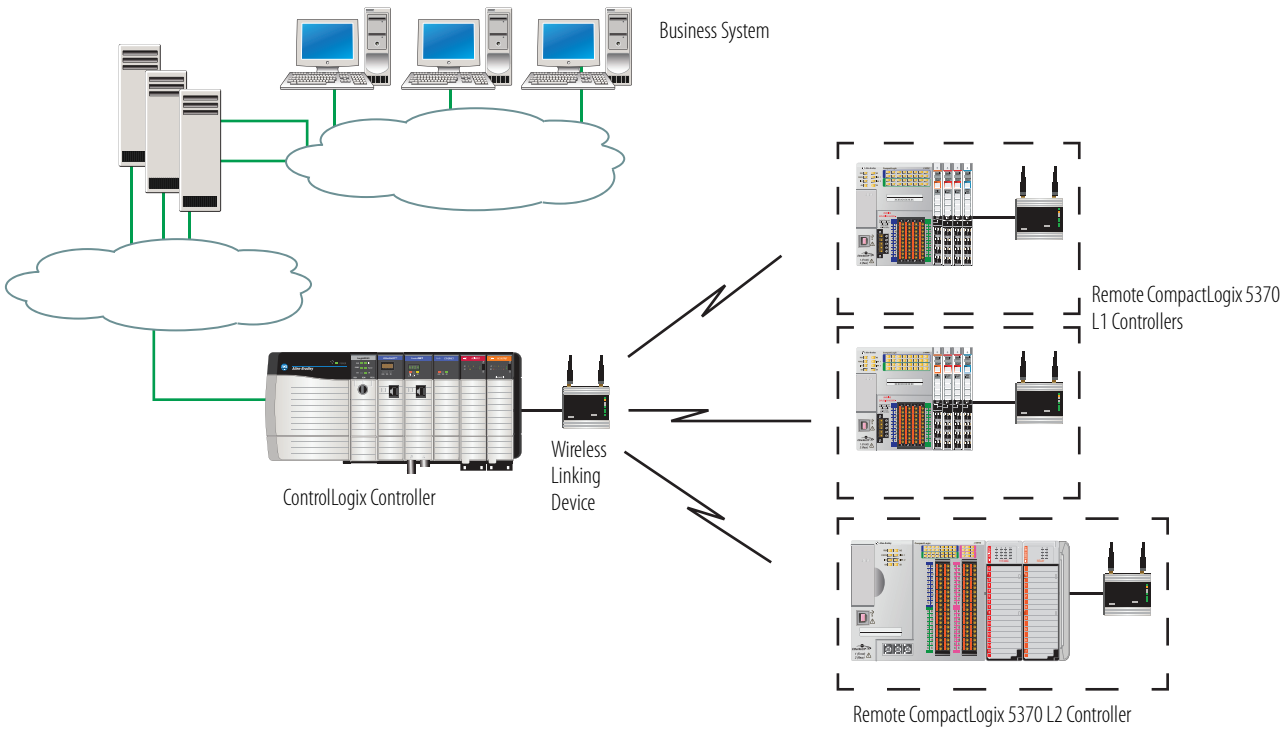
Integrated architecture products:

- CompactLogix 5370 L2 controller with local 1769 I/O modules, including a 1769-sc-IF4IH Spectrum Controls Compact HART I/O module
- 1794 FLEX I/O modules, including an analog module with HART devices
- PanelView Plus Compact terminal
- PowerFlex 525 AC drive
- 1788-EN2DN linking device between EtherNet/IP and DeviceNet networks
- 1440 XM measurement module and XM-441 expansion relay module on a DeviceNet network
- Stratix 5700 switch

Our Encompass™ partners offer additional options for connecting HART devices. For more information, see http://www.rockwellautomation.com/encompass.

Supervisory Control and Data Acquisition (SCADA)

This SCADA system demonstrates the scalability of a ControlLogix controller to control several, smaller CompactLogix stations. Equipment can be distributed over long distances and the data is still accessible. Because the EtherNet/IP network is a standard Ethernet network, a variety of modem technologies and instruments can be easily integrated to form a complete system.

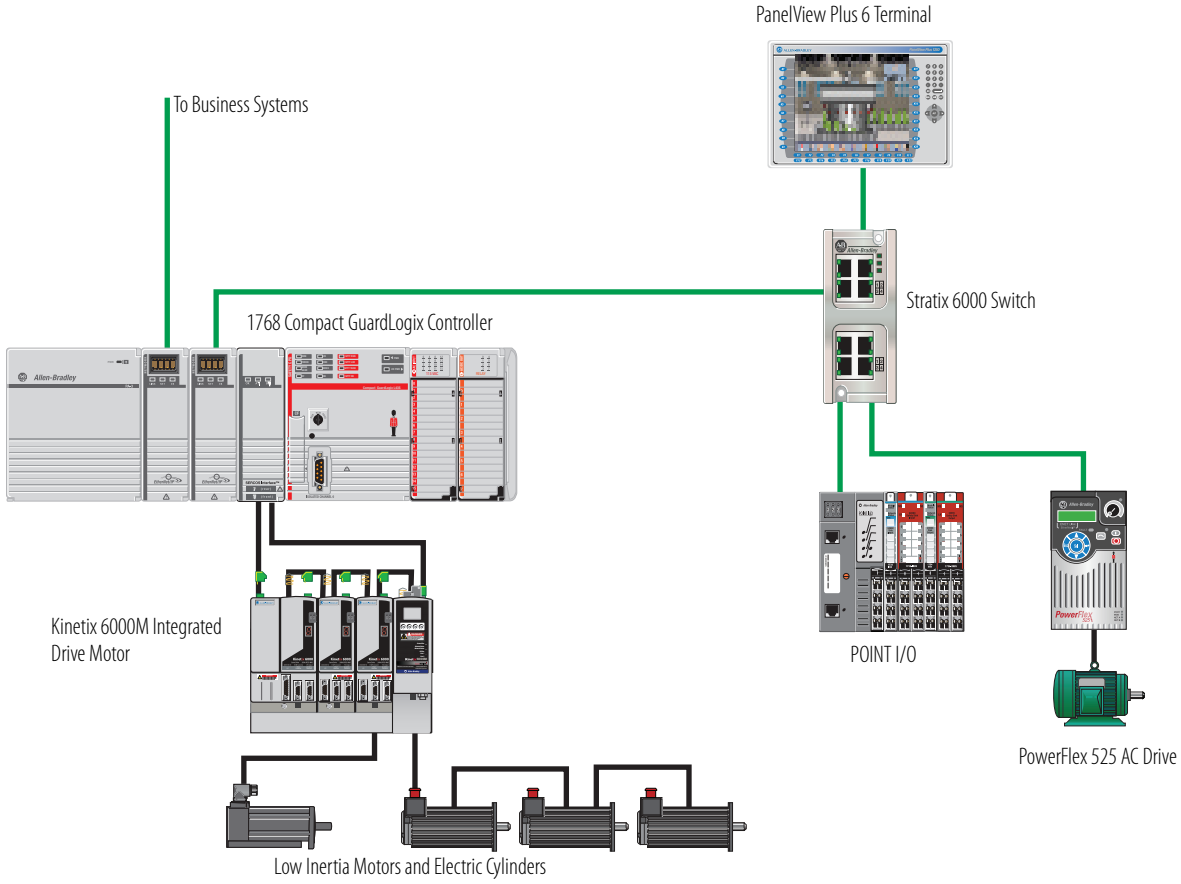


Integrated architecture products:

- Remote CompactLogix 5370 controllers with local I/O
- 1756 ControlLogix controller maintaining remote control systems
- Wireless linking devices managing communication

Integrated Safety

The 1768 Compact GuardLogix controller provides safety control to achieve SIL 3/PLe according to ISO 13849. A major benefit of this system is that it's still a single project, safety and standard together.



Integrated architecture products:

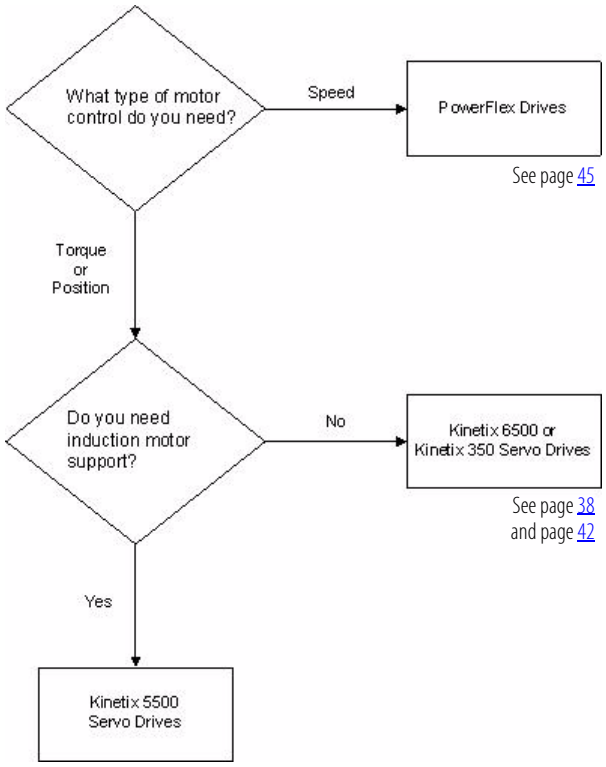
- 1768 Compact GuardLogix controller with 1768-ENBT bridge for EtherNet/IP connectivity
- 1734 POINT Guard digital and analog I/O modules
- PanelView Plus 6 terminal
- Kinetix 6000M integrated drive-motor with safe off, connected via a 1768-M04SE sercos interface
- MP-Series low inertia motors
- MP-Series electric cylinders
- PowerFlex 525 AC drive with embedded safe torque-off
- Stratix 6000 switch

Converge Power Control Platforms

In some cases, you might want to standardize on all Kinetix servo drives or all PowerFlex drives in your system. Both drive systems:

- offer permanent, magnet motor and inductive motor options.
- work together on EtherNet/IP networks.

Drive System	Typical Applications
PowerFlex drives	• Variable speed conveyors • Fan and blowers • Pumps
Kinetix 6500 or Kinetix 350 servo drives	• Vertical form, fill, and seal • Case erector • Labeling
Kinetix 550 servo drives	• Tire manufacturing • Flow wrapper • Web handling



See page 45

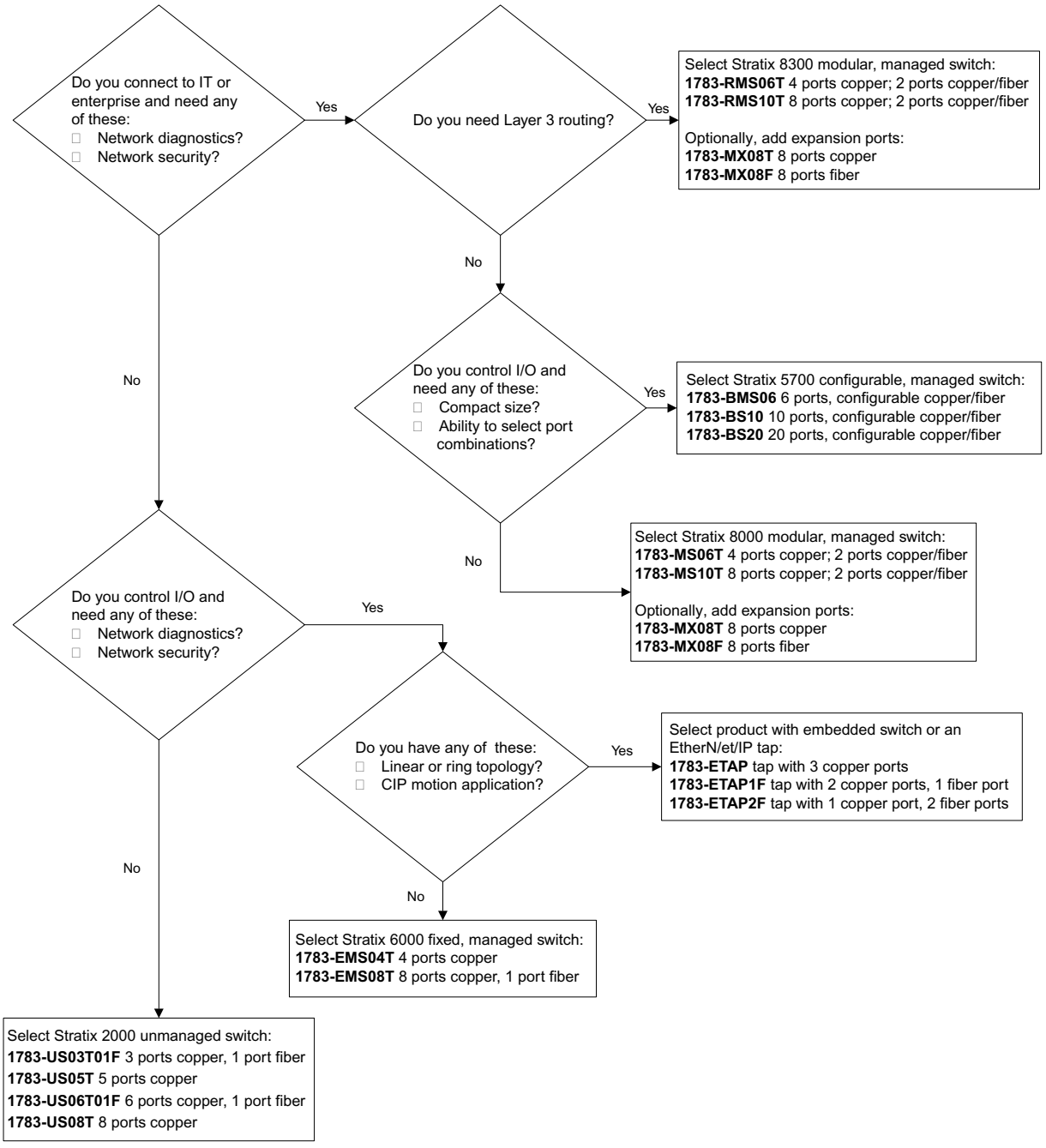
See page 38 and page 42

See page 39

Ethernet Switches

Industrial-rated switches are recommended for connecting the computers and other devices in the supervisory level to each other and to higher level networks in the network reference architecture.

Select an Ethernet Switch

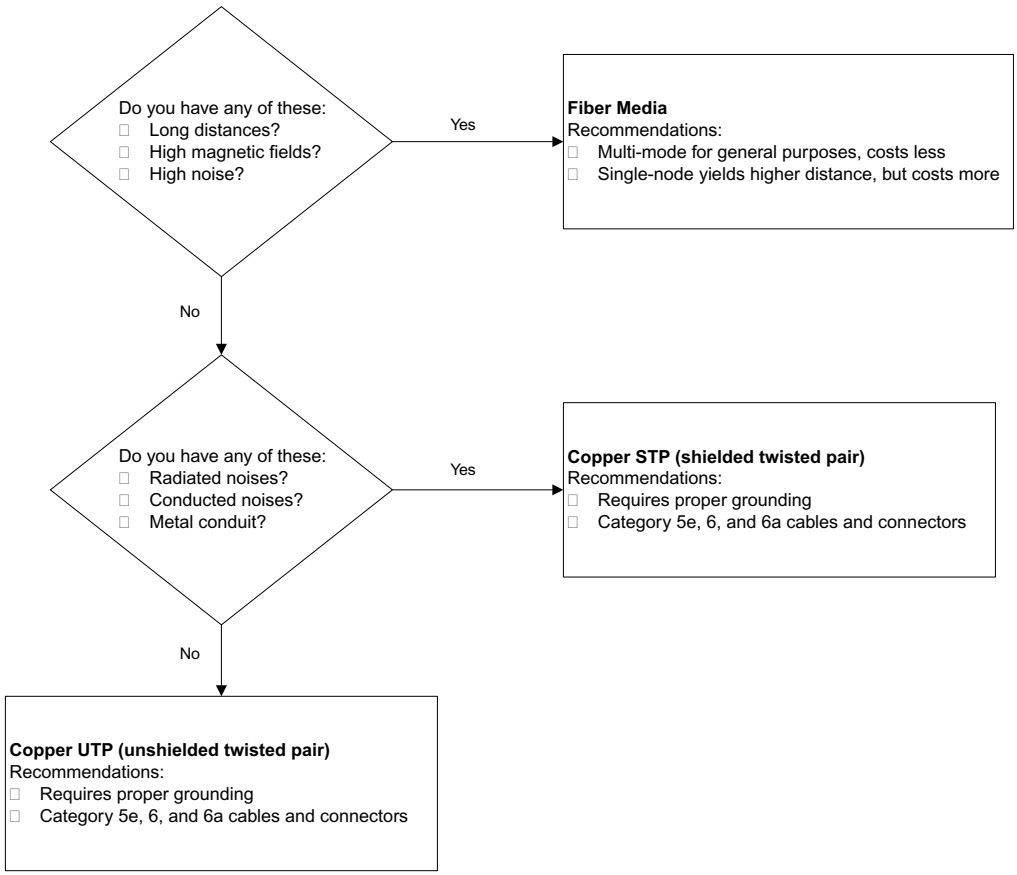


For more information, see Stratix Switch Reference Chart, publication ENET-QR001.

Ethernet Media

The actual wire used for the network is referred to as the physical media. Generally, shorter cable runs are less susceptible to electromagnetic interference (EMI) and radio-frequency interference (RFI) from electrical circuits, motors, and other machinery.

Select Ethernet Media

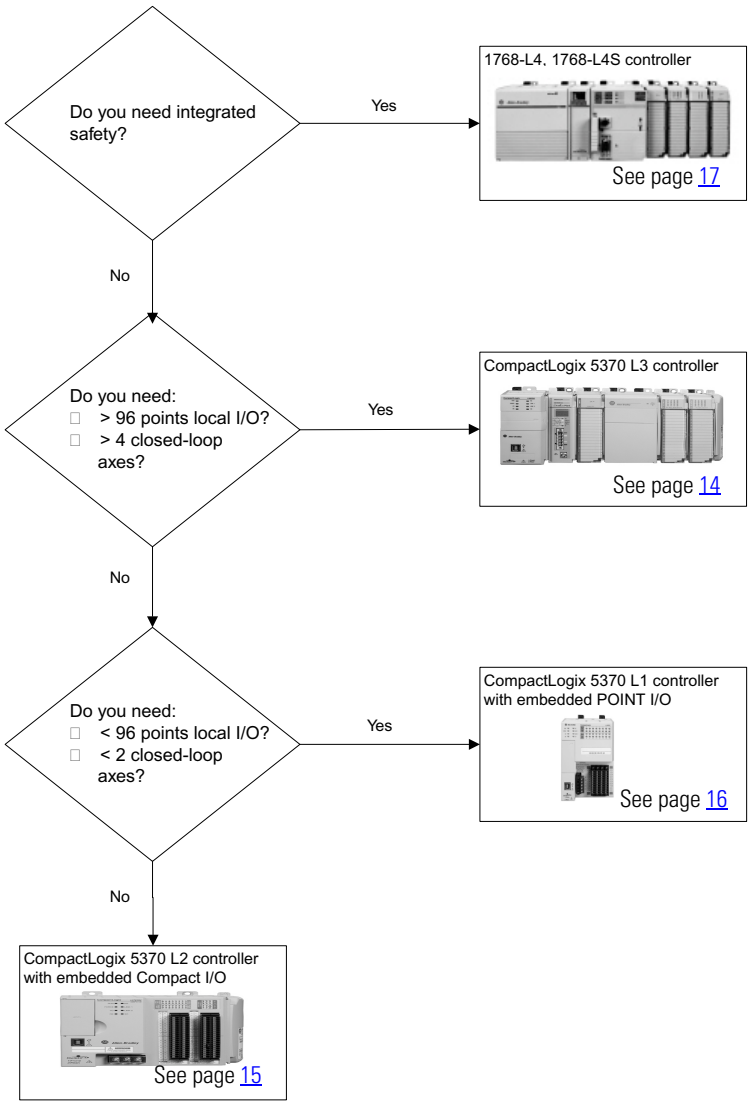


For more information about the media options, see the Ethernet section of the Network Media Catalog, publication M116-CA552.

CompactLogix Controllers

The CompactLogix platform brings together the benefits of the Integrated Architecture system—common programming environment, common networks, common control engine—in a small footprint with high performance. CompactLogix is ideal for systems that require standalone and system-connected control over EtherNet/IP networks, as well as other networks via Encompass partner products.

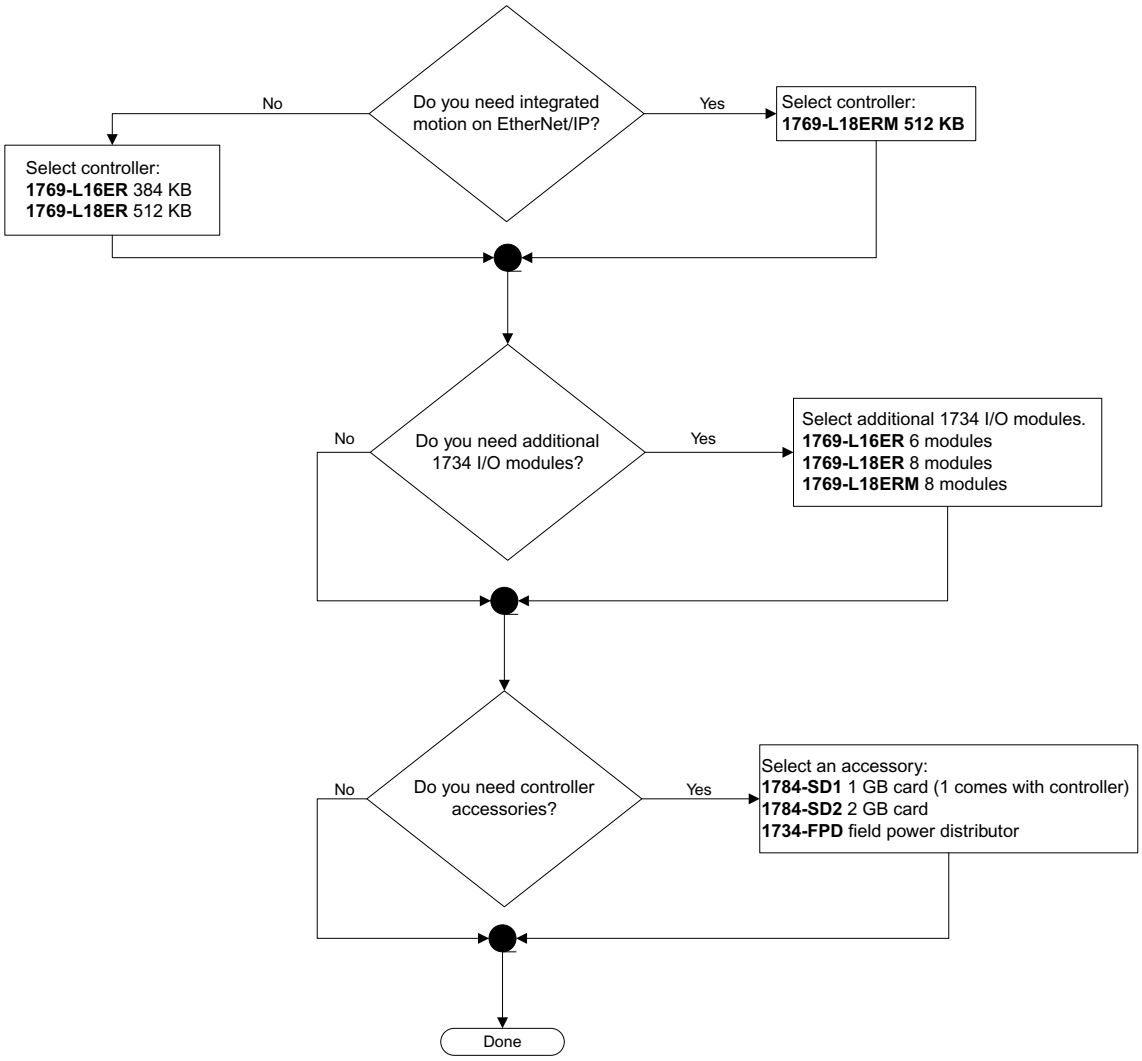
Select the CompactLogix Controller Family



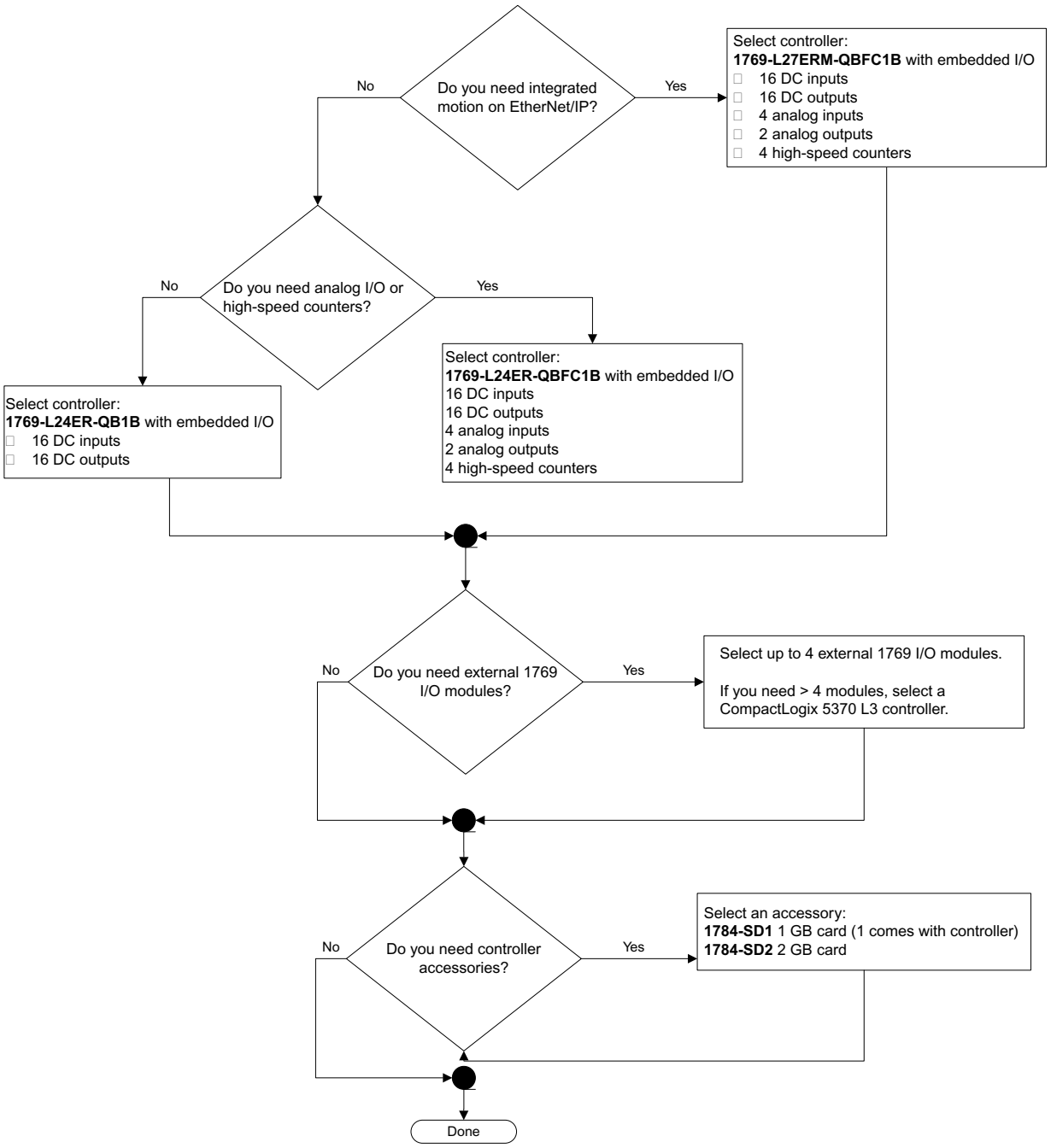
For more information, see CompactLogix Selection Guide, publication 1769-SG001.

For information on estimating memory requirements for you application, see Logix5000 Controllers Execution Time and Memory Use Reference Manual, publication 1756-RM087.

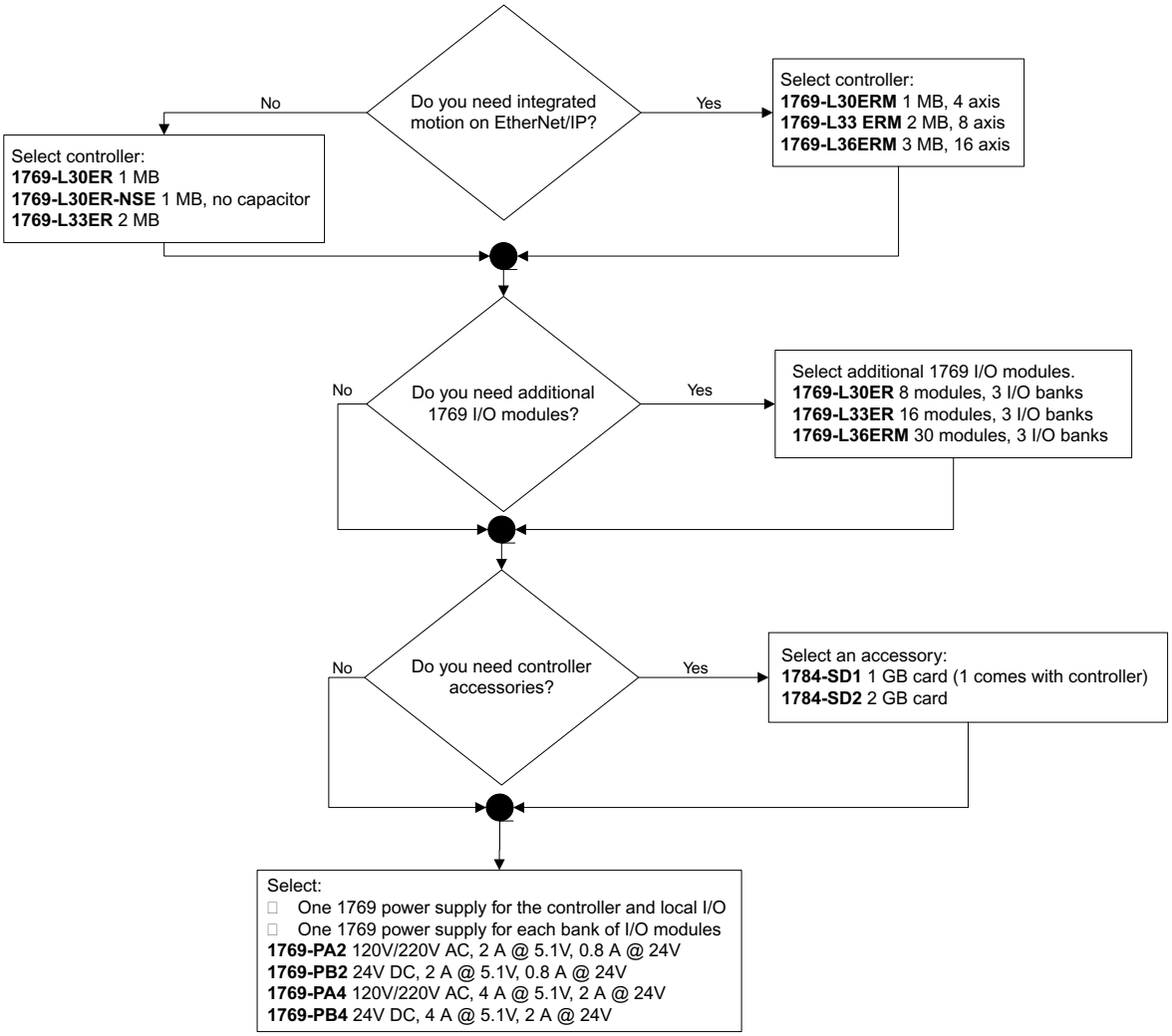
CompactLogix 5370 L1 Controllers



CompactLogix 5370 L2 Controllers

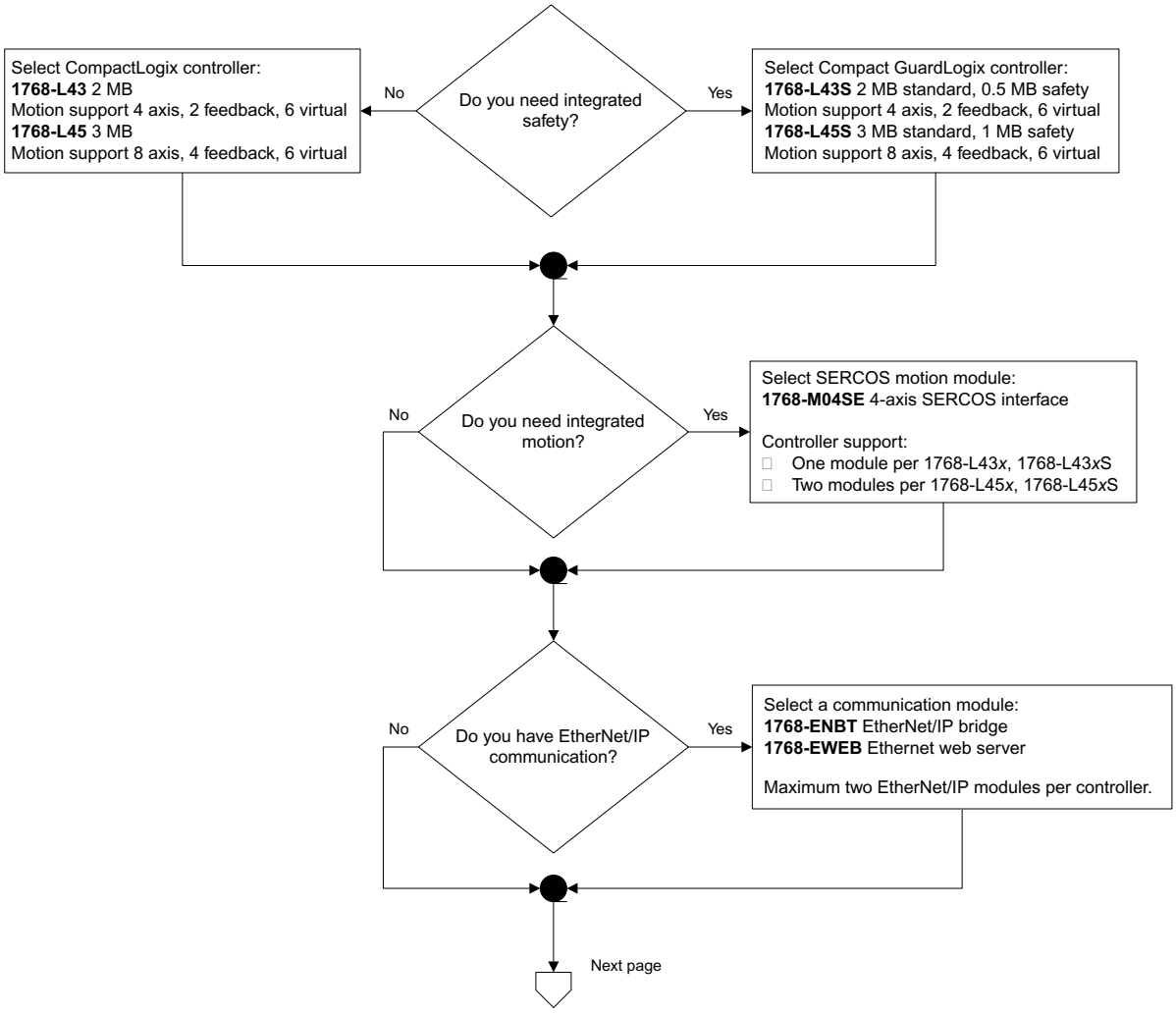


CompactLogix 5370 L3 Controllers

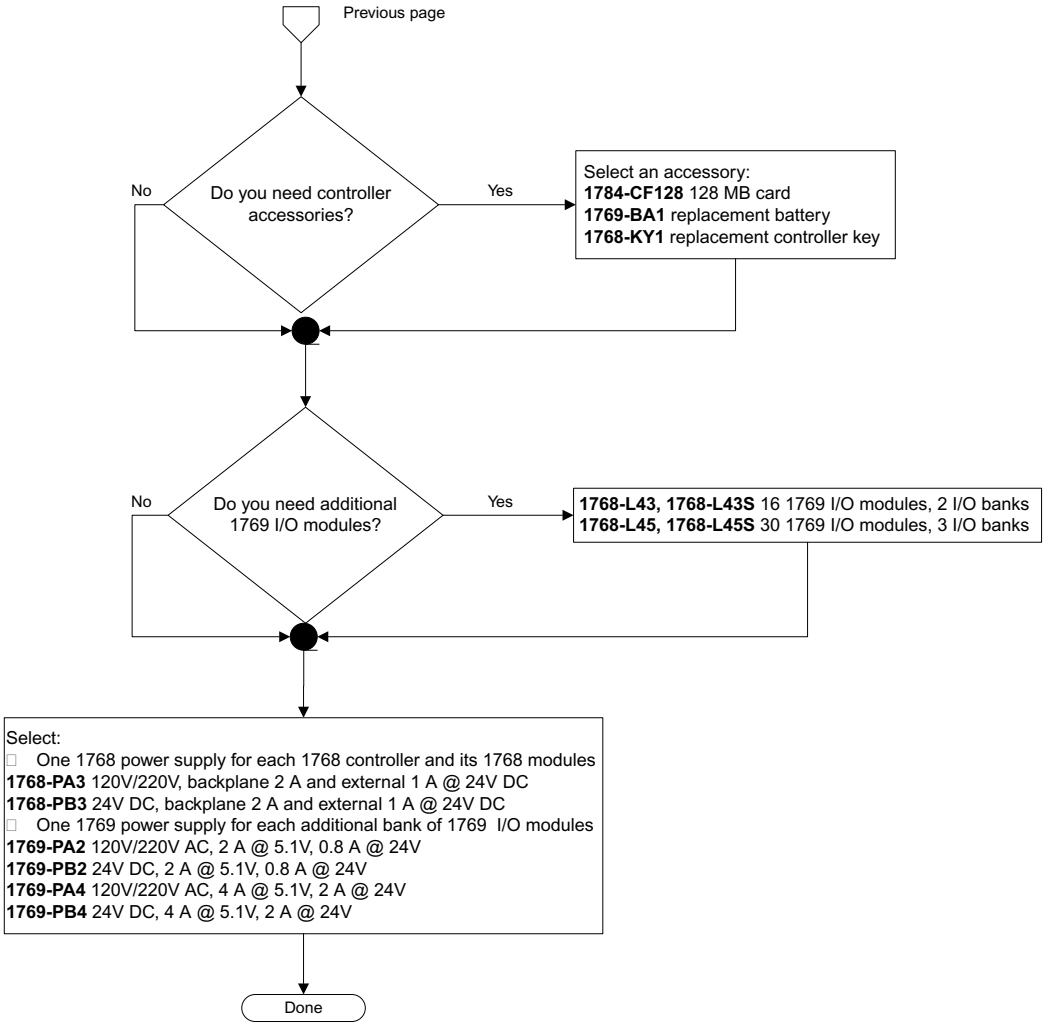


1768 CompactLogix Controllers

Select a 1768 Controller



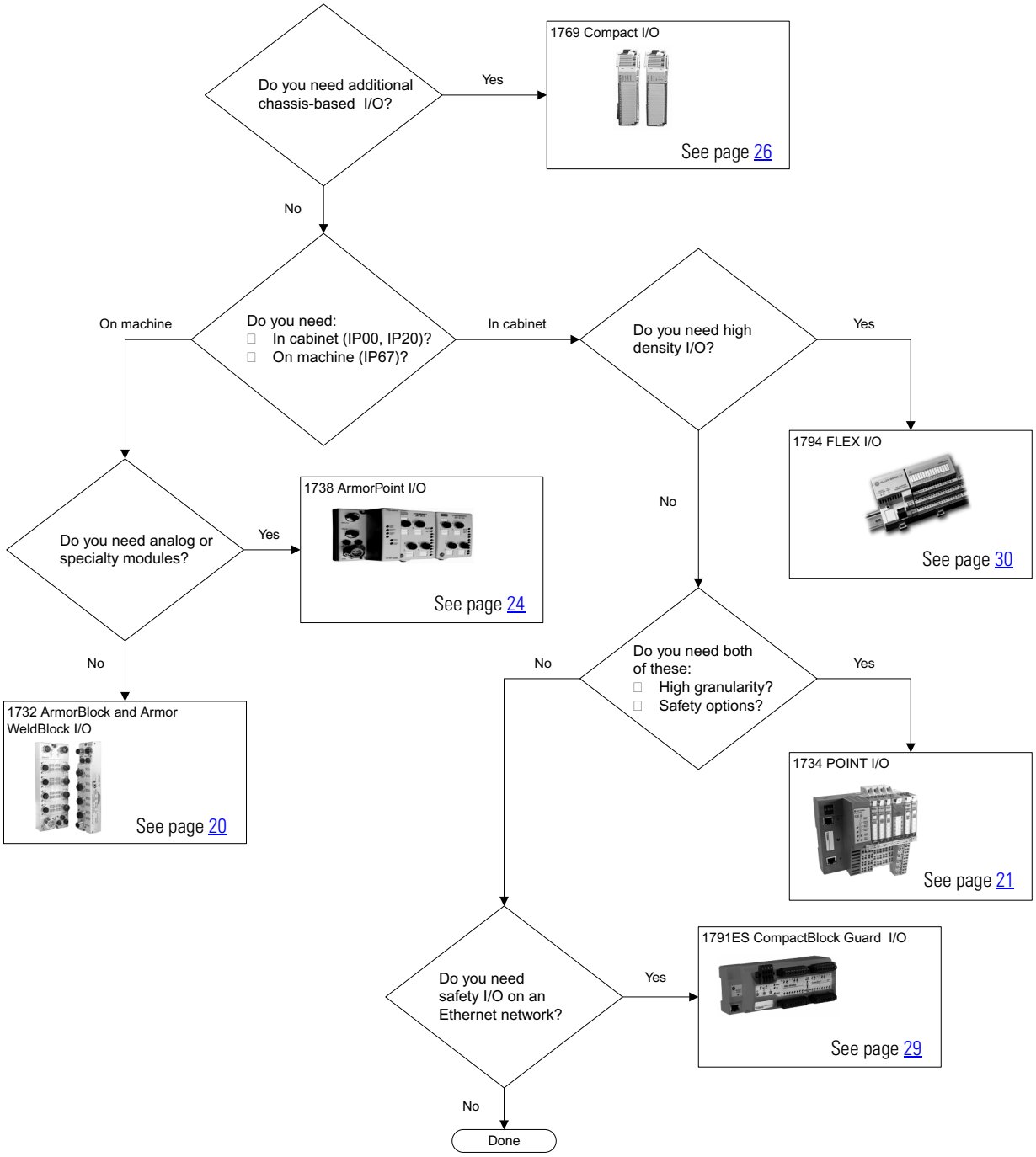
Select 1768 Controller Options



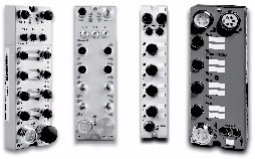
Distributed I/O Modules

Rockwell Automation offers a wide selection of distributed I/O for use in your control system. These range from simple I/O blocks to modular I/O that offer increased flexibility for your exact needs and reduce your total cost of ownership.

Select the Distributed I/O Family



1732 ArmorBlock and Armor WeldBlock I/O



ArmorBlock I/O provides low-cost, hardened, digital I/O suitable for on-machine use. Mount the modules anywhere on a machine for automotive, material handling, and semiconductor applications, or when diagnostics and local control are not needed. In addition, Armor WeldBlock I/O is suited for use in typical welding applications and is ideal for end-of-arm robot applications.

In addition to EtherNet/IP modules, there are other network options available. For more information, see ArmorBlock I/O Selection Guide, publication 1792-SG001.

ArmorBlock I/O

1732 ArmorBlock EtherNet/IP Digital Blocks

Cat. No.	Inputs/Outputs	Voltage Category	Voltage Range	Termination Type
1732E-IB8M8SOER	8 inputs, scheduled sink with dual port	24V DC	11…30V DC	(8) M12
1732E-IB16M12	16 inputs, sink			
1732E-IB16M12DR	16 inputs, sink, diagnostic with dual port			
1732E-IB16M12R	16 inputs, sink with dual port			
1732E-IB16M12SOEDR	16 inputs, sink with CIP Sync and dual port			
1732E-OB8M8SR	8 outputs, scheduled source with dual port			
1732E-OB16M12	16 outputs, source			
1732E-OB16M12DR	16 outputs, source, diagnostic with dual port			
1732E-OB16M12R	16 outputs, source with dual port			
1732E-8CFGM8R	8 self-configuring with dual port			
1732E-8X8M12DR	8 inputs, sink 8 outputs, source diagnostic with dual port			
1732E-16CFGM12	16 self-configuring			
1732E-16CFGM12R	16 self-configuring with dual port			

1732 ArmorBlock EtherNet/IP Analog Blocks

Cat. No.	Inputs/Outputs	Voltage Category	Voltage Range	Termination Type
1732E-IF4M12R	4 inputs with dual port	24V DC	11…30V DC	(8) M12
1732E-IR4IM12R	4 inputs, RTD with dual port			
1732E-IT4IM12R	4 inputs, isolated thermocouple with dual port			
1732E-OF4M12R	4 outputs with dual port			

Armor WeldBlock I/O

1732 Armor WeldBlock EtherNet/IP Digital Blocks

Cat. No.	Inputs/Outputs	Voltage Category	Voltage Range	Termination Type
1732E-IB16M12W	16 inputs, sink	24V DC	11...30V DC	M12 quick-disconnect
1732E-16CFGM12W	16 self-configuring			

1734 POINT I/O

The POINT I/O system can be easily applied to most any automation system because of comprehensive diagnostics and configurable features. Used in remote device panels and local control panels and accessed from many locations including the Internet, POINT I/O modules provide smooth integration and standardization, helping to lower your system costs and space requirements.

Conformally coated versions of some modules are available. For more information contact Rockwell Automation. For more information about all modules, see POINT I/O Selection Guide, publication 1734-SG001.

1734 POINT I/O AC Digital Modules

Cat. No.	Inputs/Outputs	Voltage Category	Operating Voltage Range	Terminal Base	PointBus Current
1734-IA2	2 inputs	120V AC	65...132V AC	1734-TB, 1734-TBS, 1734-TOP, 1734-TOPS	75 mA
1734-IA4	4 inputs	120V AC	65...132V AC		
1734-IM2	2 inputs	220V AC	159...264V AC		
1734-IM4	4 inputs	220V AC	159...264V AC		
1734-OA2	2 outputs	120/220V AC	74...264V AC		
1734-OA4	4 outputs	120/220V AC	74...264V AC		

1734 POINT I/O DC Digital Modules

Cat. No.	Inputs/Outputs	Voltage Category	Operating Voltage Range	Terminal Base	PointBus Current
1734-IB2	2 inputs, sink	24V DC	10...28.8V DC	1734-TB, 1734-TBS	75 mA
1734-IB4	4 inputs, sink			1734-TB, 1734-TBS, 1734-TB3, 1734-TB3S	
1734-IB4D	4 inputs diagnostic, sink		11...28.8V DC	1734-TB, 1734-TBS, 1734-TOP, 1734-TOPS	50 mA
1734-IB8	8 inputs, sink		10...28.8V DC	1734-TB, 1734-TBS	75 mA
1734-IB8S	8 inputs, sink, safety rated		11...28.8V DC	1734-TB, 1734-TOP, 1734-TOP3	175 mA
1734-IV2	2 inputs, source		10...28.8V DC	1734-TB, 1734-TBS	75 mA
1734-IV4	4 inputs, source			1734-TB, 1734-TBS, 1734-TB3, 1734-TB3S	
1734-IV8	8 inputs, source			1734-TB, 1734-TBS	

1734 POINT I/O DC Digital Modules

Cat. No.	Inputs/Outputs	Voltage Category	Operating Voltage Range	Terminal Base	PointBus Current
1734-OB2	2 outputs, source	24V DC	10...28.8V DC	1734-TB, 1734-TBS	75 mA
1734-OB2E	2 outputs, source, electronically protected				
1734-OB2EP	2 outputs, source, electronically protected, fast-switching high-current				
1734-OB4	4 outputs, source				
1734-OB4E	4 outputs, source, electronically protected				
1734-OB8	8 outputs, source				
1734-OB8E	8 outputs, source, electronically protected				
1734-OB8S	8 outputs, source, safety rated			1734-TB, 1734-TOP, 1734-TOP3	190 mA
1734-OV2E	2 outputs, sink, electronically protected	24V DC	10...28.8V DC	1734-TB, 1734-TBS	75 mA
1734-OV4E	4 outputs, sink, electronically protected				
1734-OV8E	8 outputs, sink, electronically protected				
1734-8CFG	8, self-configuring	24V DC	11...28.8V DC	1734-TB, 1734-TBS, 1734-TOP, 1734-TOPS	100 mA
1734-8CFGDLX	8, self-configuring with DeviceLogix™				

1734 POINT I/O Contact Modules

Cat. No.	Inputs/Outputs	Voltage Range	Terminal Base	PointBus Current
1734-OW2	2 Form A N.O. output relays	5 . . . 28.8V DC @ 2.0 A resistive 48V DC @ 0.5 A resistive 125V DC @ 0.25 A resistive 125V DC @ 2.0 A resistive 240V DC @ 2.0 A resistive	1734-TB, 1734-TBS	80 mA
1734-OW4	4 Form A N.O. output relays			
1734-OX2	2 Form C isolated N.O./N.C. relays			100 mA

1734 POINT I/O Analog Modules

Cat. No.	Inputs/Outputs	Range	Resolution	Terminal Base	PointBus Current
1734-IE2C	2 inputs, single-ended	0 . . . 20 mA, 4 . . . 20 mA	16 bits	1734-TB, 1734-TBS	75 mA
1734-IE4C	4 inputs, single-ended				
1734-IE4S	4 inputs, single-ended, safety rated	0 . . . 20 mA, 4 . . . 20 mA ±5V, 0...5V, ±10V, 0...10V	12 bits	1734-TB, 1734-TBS, 1734-TOP, 1734-TOPS, 1734-TOP3, 1734-TOP3S	110 mA
1734-IE8C	8 inputs, single-ended	0 . . . 20 mA, 4 . . . 20 mA	16 bits	1734-TB, 1734-TBS	75 mA
1734-IE2V	2 inputs, differential	±10V, 0...10V	15 bits + sign		
1734-OE2C	2 outputs, single-ended	0 . . . 20 mA, 4...20 mA	13 bits		
1734-OE4C	4 outputs, single-ended	0 . . . 20 mA, 4...20 mA	13 bits		
1734-OE2V	2 outputs, single-ended	±10V, 0...10V	14 bits (13 + sign)		

1734 POINT I/O RTD/Thermocouple Modules

Cat. No.	Inputs/Outputs	Sensors Supported	Resolution	Terminal Base	PointBus Current
1734-IR2	2 RTD inputs, single-ended	100, 200 Ω Platinum 385 100, 200 Ω Platinum 3916 10 Ω Copper 427 100, 120 Ω Nickel 618 120 Ω Nickel 672 10 Ω Nickel-iron 518 0...600 Ω	16 bit	1734-TB, 1734-TBS, 1734-TOP, 1734-TOPS	220 mA
1734-IR2E	2 RTD inputs, electronically fused, single-ended	100 Ω Platinum 385 0...220 Ω	16 bits		
1734-IT2I	2 thermocouple inputs, single-ended	Thermocouple types B, C, E, J, K, N, R, S, T ±75 mV	15 bits + sign	1734-TBCJC	175 mA

1734 POINT I/O Counter Modules

Cat. No.	Counters	Voltage Category	Input Frequency	Terminal Base	PointBus Current
1734-IJ	1	5V DC	1.0 MHz counter and encoder X1 configurations (no filter) 500 kHz encoder X2 configuration (no filter) 250 kHz encoder X4 configuration (no filter)	1734-TB, 1734-TBS	160 mA
1734-IK	1	15...24V DC			
1734-VHSC5	1	5V DC			180 mA
1734-VHSC24	1	15...24V DC			

In addition to EtherNet/IP adapters, there are other options. For more information, see POINT I/O Selection Guide, publication 1734-SG001.

1734 POINT I/O Adapter Modules

Network	Module	Description	PointBus Current
EtherNet/IP	1734-AENT	EtherNet/IP twisted pair media adapter	700 mA
	1734-AENTR	2-port EtherNet/IP I/O adapter module, star, tree, linear, or ring topology	800 mA

1738 ArmorPOINT I/O

Based on the POINT I/O architecture, ArmorPOINT® I/O adds enhanced environmental characteristics, modular designs, and plug and play electronic capabilities. The quick disconnect features deliver fewer points of failure. For more information, see ArmorPoint I/O Selection Guide, publication 1738-SG001.

1738 ArmorPOINT AC Digital Modules

Cat. No.	Inputs/Outputs	Voltage Category	Operating Voltage Range	Terminal Type	PointBus Current
1738-IA2M12AC3	2 inputs	120V AC	65...132V AC	AC micro 3-pin	75 mA
1738-IA2M12AC4	2 inputs	120V AC	65...132V AC	AC micro 4-pin	
1738-OA2M12AC3	2 outputs	120/220V AC	74...264V AC	AC 3-pin	

1738 ArmorPOINT DC Digital Modules

Cat. No.	Inputs/Outputs	Voltage Category	Operating Voltage Range	Terminal Type	PointBus Current
1738-IB2M12	2 inputs, sink	24V DC	10...28.8V DC	DC micro (M12)	75 mA
1738-IB4M12	4 inputs, sink			DC micro (M12)	
1738-IB4DM12	4 inputs, sink, diagnostic		11...28.8V DC	DC micro (M12)	50 mA
1738-IB4M8	4 inputs, sink		10...28.8V DC	Pico 3-pin (M8)	75 mA
1738-IB8M12	8 inputs, sink			DC micro (M12)	
1738-IB8M23	8 inputs, sink			M23	
1738-IB8M8	8 inputs, sink			Pico 3-pin (M8)	
1738-IB16DM12	16 inputs, sink, diagnostic			DC micro (M12)	
1738-IV8M12	8 inputs, source			DC micro (M12)	
1738-IV4M12	4 inputs, source			DC micro (M12)	
1738-IV8M23	8 inputs, source			M23	
1738-IV8M8	8 inputs, source			Pico 3-pin (M8)	
1738-OB2EM12	2 outputs, source	24V DC	10...28.8V DC	DC micro (M12)	75 mA
1738-OB2EPM12	2 outputs, source			DC micro (M12)	
1738-OB4EM12	4 outputs, source			DC micro (M12)	
1738-OB4EM8	4 outputs, source			Pico 3-pin (M8)	
1738-OB8EM12	8 outputs, source			DC micro (M12)	
1738-OB8EM23	8 outputs, source			M23	
1738-OB8EM8	8 outputs, source			Pico 3-pin (M8)	
1738-OB16EM12	16 outputs, source			DC micro (M12)	150 mA
1738-OB16E25DS	16 outputs, source			D-shell	
1738-OB16E19M23	16 outputs, source			M23	
1738-OV4EM12	4 outputs, sink			DC micro (M12)	75 mA

1738 ArmorPOINT DC Digital Modules

Cat. No.	Inputs/Outputs	Voltage Category	Operating Voltage Range	Terminal Type	PointBus Current
1738-8CFGM8	8 configurable, sink or source	24V DC	11...30V DC	Pico 3-pin (M8)	75 mA
1738-8CFGM23				M23	
1738-8CFGDLXM8	8 configurable, sink or source with DeviceLogix			Pico 3-pin (M8)	
1738-8CFGDLXM12				DC micro (M12)	
1738-8CFGDLXM23				M23	

1738 ArmorPOINT Contact Output Modules

Cat. No.	Inputs/Outputs	Voltage Category	Contact Resistance	Terminal Type	PointBus Current
1738-OW4M12	4 Form A N.O. relays, isolated	24V DC	30 mΩ	DC micro (M12)	80 mA
1738-OW4M12AC				AC micro 4-pin	

1738 ArmorPOINT Analog Modules

Cat. No.	Inputs/Outputs	Range	Resolution	Terminal Type	PointBus Current
1738-IE2CM12	2 inputs, single-ended	0...20 mA, 4...20 mA	16 bits	DC micro (M12)	75 mA
1738-IE4CM12	4 inputs, single-ended	0...20 mA, 4...20 mA	16 bits		
1738-IE2VM12	2 inputs, single-ended	±10V, 0...10V	15 bits + sign		
1738-OE2CM12	2 outputs, single-ended	0...20 mA, 4...20 mA	13 bits	DC micro (M12)	75 mA
1738-OE4CM12	4 outputs, single-ended	0...20 mA, 4...20 mA	16 bits		
1738-OE2VM12	2 outputs, single-ended	±10V, 0...10V	14 bits (13 + sign)		

1738 ArmorPOINT RTD/Thermocouple Modules

Cat. No.	Inputs/Outputs	Sensors Supported	Resolution	Terminal Type	PointBus Current
1738-IR2M12	2 RTD inputs, single-ended	100, 200 Ω Platinum 385 100, 200 Ω Platinum 3916 10 Ω Copper 427 100, 120 Ω Nickel 618 120 Ω Nickel 672 0...600 Ω	16 bits	DC micro (M12)	220 mA
1738-IT2IM12	2 thermocouple inputs, single-ended	Thermocouple types B, C, E, J, K, N, R, S, T ±75 mV	15 bits + sign		175 mA

1738 ArmorPOINT Counter Modules

Cat. No.	Counters	Voltage Category	Input Frequency	Terminal Type	PointBus Current
1738-IJM23	1	5V DC	1.0 MHz counter and encoder X1 configurations (no filter) 500 kHz encoder X2 configuration (no filter) 250 kHz encoder X4 configuration (no filter)	M23	160 mA
1738-VHSC24M23	1	124V DC			110 mA

In addition to EtherNet/IP adapters, there are other network options available. For more information, see ArmorPoint I/O Selection Guide, publication 1738-SG001.

1738 ArmorPoint I/O Adapter Modules

Network	Module	Description	Terminal Type	Power
EtherNet/IP	1738-AENT	EtherNet/IP twisted-pair media I/O adapter	M12 quick-disconnect	30 mA @ 24V DC
	1738-AENTR	2-port EtherNet/IP adapter, star, tree, linear, or ring topology	M12 quick-disconnect	

1769 Compact I/O Modules

The Compact I/O modules offer innovation and flexibility in a unique, patented I/O platform. Compact I/O is optimized for use with CompactLogix controllers, and can function as distributed I/O with the appropriate network adapter. Rack-type features in a rackless design lower costs and reduce replacement parts inventory.

1769 Compact I/O AC Digital Modules

Cat. No.	Inputs/Outputs	Voltage Category	Operating Voltage Range	Current Draw	Power Supply Distance Rating
1769-IA8I	8 inputs, individually isolated	100/120V AC	79…132V AC, 47…63 Hz	90 mA @ 5.1V	8
1769-IA16	16 inputs	100/120V AC	79…132V AC, 47…63 Hz	115 mA @ 5.1V	8
1769-IM12	12 inputs	200/240V AC	159…265V AC, 47…63 Hz	100 mA @ 5.1V	8
1769-OA8	8 outputs	100/240V AC	85…265V AC 47…63 Hz	145 mA @ 5.1V	8
1769-OA16	16 outputs	100/240V AC	85…265V AC 47…63 Hz	225 mA @ 5.1V	8

1769 Compact I/O DC Digital Modules

Cat. No.	Inputs/Outputs	Voltage Category	Operating Voltage Range	Current Draw	Power Supply Distance Rating
1769-IG16	16 inputs	5V DC TTL	4.5...5.5V DC	120 mA @ 5.1V	8
1769-IQ16	16 inputs	24V DC sink/source	10...30V DC @ 30 °C (86 °F) 10...26.4V DC @ 60 °C (140 °F)	115 mA @ 5.1V	8
1769-IQ16F	16 inputs, high-speed	24V DC sink/source	10...30V DC @ 30 °C (86 °F) 10...26.4V DC @ 60 °C (140 °F)	100 mA @ 5.1V	8
1769-IQ32	32 inputs	24V DC sink/source	10...30V DC @ 30 °C (86 °F) 10...26.4V DC @ 60 °C (140 °F)	170 mA @ 5.1V	8
1769-IQ32T	32 inputs	24V DC sink/source	20.4...26.4V DC @ 60 °C (140 °F)	170 mA @ 5.1V	8
1769-IQ6X0W4	6 inputs 4 outputs	24V DC sink/source input AC/DC normally open relay contact outputs	10...30V DC @ 30 °C (86 °F) 10...26.4V DC @ 60 °C (140 °F)	105 mA @ 5.1V 50 mA @ 24V	8
1769-0B8	8 outputs	24V DC source	20.4...26.4V DC	145 mA @ 5.1V	8
1769-0B16	16 outputs	24V DC source	20.4...26.4V DC	200 mA @ 5.1V	8
1769-0B16P	16 outputs, protected	24V DC source	20.4...26.4V DC	160 mA @ 5.1V	8
1769-0B32	32 outputs	24V DC source	20.4...26.4V DC	300 mA @ 5.1V	6
1769-0B32T	32 outputs	24V DC source	10.2...26.4V DC	220 mA @ 5.1V	8
1769-0G16	16 outputs	5V DC TTL	4.5...5.5V DC	200 mA @ 5.1V	8
1769-0V16	16 outputs	24V DC sink	20.4...26.4V DC	200 mA @ 5.1V	8
1769-0V32T	32 outputs	24V DC sink	10.2...26.4V DC	300 mA @ 5.1V	8

1769 Compact I/O Contact Modules

Cat. No.	Inputs/Outputs	Operating Voltage Range	Current Draw	Power Supply Distance Rating
1769-0W8	8 outputs	5...265V AC 5...125V DC	125 mA @ 5.1V 100 mA @ 24V	8
1769-0W8I	8 outputs, individually isolated	5...265V AC 5...125V DC	125 mA @ 5.1V 100 mA @ 24V	8
1769-0W16	16 outputs	5...265V AC 5...125V DC	205 mA @ 5.1V 180 mA @ 24V	8

1769 Compact I/O Analog Modules

Cat. No.	Inputs/Outputs	Range	Resolution	Current Draw	Power Supply Distance Rating
1769-IF4	4 inputs, differential or single-ended	±10V, 0...10V, 0...5V, 1...5V 0...20 mA, 4...20 mA	14 bits (unipolar) 14 bits plus sign (bipolar)	120 mA @ 5.1V 60 mA @ 24V	8
1769-IF4I	4 inputs, differential or single-ended, individually isolated	±10V, 0...10V, 0...5V, 1...5V 0...20 mA, 4...20 mA	16 bits (unipolar) 15 bits plus sign (bipolar)	145 mA @ 5.1V 125 mA @ 24V	8
1769-IF8	8 inputs, differential or single-ended	±10V, 0...10V, 0...5V, 1...5V 0...20 mA, 4...20 mA	16 bits (unipolar) 15 bits plus sign (bipolar)	120 mA @ 5.1V 70 mA @ 24V	8
1769-IF16C	16 inputs, single-ended	0...20 mA, 4...20 mA	16 bits (unipolar) 15 bits plus sign (bipolar)	190 mA @ 5.1V 70 mA @ 24V	8
1769-IF16V	16 inputs, differential	±10V, 0...10V, 0...5V, 1...5V	16 bits (unipolar) 15 bits plus sign (bipolar)	190 mA @ 5.1V 70 mA @ 24V	8
1769-IF4XOF2	4 differential or single-ended inputs 2 single-ended outputs	0...10V 0...20 mA	Input: 8 bits plus sign Output: 8 bits plus sign	120 mA @ 5.1V 160 mA @ 24V	8
1769-IF4FXOF2F	4 fast differential or single-ended inputs 2 fast single-ended outputs	±10V, 0...10V, 0...5V, 1...5V 0...20 mA, 4...20 mA	Input: 14 bits (unipolar) 14 bits plus sign (bipolar) Output: 13 bits (unipolar) 13 bits plus sign (bipolar)	220 mA @ 5.1V 120 mA @ 24V	8
1769-OF2	2 outputs, single-ended	±10V, 0...10V, 0...5V, 1...5V 0...20 mA, 4...20 mA	14 bits (unipolar) 14 bits plus sign (bipolar)	120 mA @ 5.1V 120 mA @ 24V	8
1769-OF4	4 outputs, single-ended	±10V, 0...10V, 0...5V, 1...5V 0...20 mA, 4...20 mA	15 bits plus sign unipolar and bipolar	120 mA @ 5.1V 170 mA @ 24V	8

1769 Compact I/O RTD/Thermocouple Modules

Cat. No.	Inputs/Outputs	Sensors Supported	Current Draw	Power Supply Distance Rating
1769-IR6	6 RTD inputs	100, 200, 500, 1000 Ω Platinum 385 100, 200, 500, 1000 Ω Platinum 3916 120 Ω Nickel 618 120 Ω Nickel 672 10 Ω Nickel-iron 518 0...150 Ω, 0...500 Ω, 0...1000 Ω, 0...3000 Ω	100 mA @ 5.1V 45 mA @ 24V	8
1769-IT6	6 thermocouple inputs	Thermocouple types B, C, E, J, K, N, R, S, T ±50V, ±100V	100 mA @ 5.1V 45 mA @ 24V	8

1769 Compact I/O Specialty Modules

Cat. No.	Description	Current Draw	Power Supply Distance Rating
1769-ARM	Address reserve module to reserve module slots	60 mA @ 5.1V	8
1769-ASCII	Interface to RS-232, RS-485, and RS-422 ASCII devices	425 mA @ 5.1V	4
1769-BOOLEAN	Activate an output based on an input transition	220 mA @ 5.1V	8
1769-HSC	Counter module that is capable of reacting to high-speed input signals	245 mA @ 5.1V	4
1769-SM1	Connect to PowerFlex 7-class drives and other DPI-based host devices	280 mA @ 5.1V	6
1769-SM2	Connect to PowerFlex 4-class drives and other Modbus RTU slave devices	350 mA @ 5.1V	4

1768 and 1769 Compact I/O EtherNet/IP Communication Modules

Cat. No.	Description	Current Draw	Power Supply Distance Rating
1768-ENBT	1768 EtherNet/IP communication bridge module	834 mA @ 5.1V	—
1768-EWEB	1768 Ethernet web server module	834 mA @ 5.1V	—
1768-M04SE	1768 CompactLogix sercos interface modules, 4 axis	969 mA @ 5.1V	—

Additional Modules Available through Encompass Partners

CompactLogix Controller	Encompass Partner	Modules
1769-L2*x* controller 1769-L3*x* controller 1768-L4*x* controller	Advanced Micro Controls, Inc.	Stepper module Resolver module
	Hardy Instruments	Weigh scale module
	ProSoft Technology	Protocol solutions - MVI module
	Spectrum Controls	Analog + HART input and output
1768-L4*x* controller	Advanced Micro Controls, Inc.	Programmable limit switch SSI/LDT interface module
	Bihl+Wiedemann GmbH	Asi subscanner module
	Helm Instrument Co. Inc.	Resolver input module Strainguage input module Weigh scale input module
	Hiprom Technologies	GPS time synchronization
	ProSoft Technology	Application development C applications AGA/API flow computer

For more information about the Encompass program, see http://www.rockwellautomation.com/encompass.

1791ES CompactBlock Guard I/O

CompactBlock™ Guard I/O™ modules are safety rated for use in safety applications. Guard I/O modules detect failures at the I/O and field device level, while enhancing operator protection. The modules are ideal for applications requiring highly distributed I/O blocks close to sensors and actuators. The compact footprint and solid-state design allows for module replacement in minutes and reduces the need for special maintenance or training.

For more information, see CompactBlock Guard I/O on EtherNet/IP Product Profile, publication 1791ES-PP001.

1791ES CompactBlock Guard I/O EtherNet/IP DC Digital Blocks

Cat. No.	Inputs/Outputs	Voltage Category	Operating Voltage Range	Current @ 24V DC
1791ES-IB8XOBV4S	8 inputs, sink 4 outputs, sink/source	24V DC	19.2...28.8V DC	250 mA
1791ES-IB16	16 inputs, sink			

1794 FLEX I/O

FLEX™ I/O modules offer the functionality of a larger rack-based I/O without the large space requirements. FLEX I/O offers cost-effectiveness, flexibility, modularity, and reliability.

Conformally-coated and extreme-environment versions of some modules are available. Intrinsically safe I/O modules are available in the 1797 FLEX Ex™ I/O family. For more information contact Rockwell Automation. For more information about all modules, see FLEX I/O and FLEX Ex I/O Selection Guide, publication 1794-SG002.

1794 FLEX AC Digital Modules

Cat. No.	Inputs/Outputs	Voltage Category	Operating Voltage Range	Terminal Base
1794-IA8 1794-IA8I	8 inputs Individually isolated	120V AC	65...132V AC	1794-TBN, 1794-TB2, 1794-TB3, 1794-TB3S, 1794-TBKD
1794-IA16	16 inputs	120V AC	74...132V AC	1794-TB3, 1794-TB3S, 1794-TBN
1794-IM8	8 inputs	220V AC	159...264V AC	1794-TBN
1794-IM16	16 inputs	220V AC	159...264V AC	1794-TBN
1794-OA8	8 outputs	120V AC	85...132V AC	1794-TBNF, 1794-TB2, 1794-TB3, 1794-TB3S, 1794-TBN, 1794-TBKD
1794-OA16	16 outputs			1794-TB3, 1794-TB2, 1794-TB3S, 1794-TBN, 1794-TBKD
1794-OM8	8 outputs	220V AC	159...264V AC	1794-TBNF, 1794-TBN
1794-OM16	16 outputs	220V AC	159...264V AC	1794-TBNF, 1794-TBN

1794 FLEX DC Digital Modules

Cat. No.	Inputs/Outputs	Voltage Category	Operating Voltage Range	Terminal Base
1794-IG16	16 inputs	5V DC TTL	-0.2...0.8V DC	1794-TB3, 1794-TB3S
1794-IB8	8 inputs, sink	24V DC	10...31.2V DC	1794-TB3, 1794-TB3S
1794-IB16	16 inputs, sink	24V DC	10...31.2V DC	1794-TB3, 1794-TB3S
1794-IB16D	16 inputs, sink, diagnostic			1794-TB32, 1794-TB32S
1794-IV16	16 inputs, source	24V DC	10...31.2V DC	1794-TB2, 1794-TB3, 1794-TB3S, 1794-TBK
1794-IB32	32 inputs, sink	24V DC	19.2...31.2V DC	1794-TB32, 1794-TB32S
1794-IV32	32 inputs, source	24V DC	19.2...31.2V DC	1794-TB32, 1794-TB32S
1794-IC16	16 inputs, sink	48V DC	30...60V DC	1794-TB3, 1794-TB3S
1794-IH16	16 inputs, sink	125V DC	90...146V DC	1794-TB3, 1794-TB3S
1794-OB8	8 outputs, source	24V DC	10...31.2V DC	1794-TB2, 1794-TB3, 1794-TB3S, 1794-TBKD
1794-OB8EP	8 outputs, source, protected		19.2...31.2V DC	1794-TB3, 1794-TB2, 1794-TB3S, 1794-TBN, 1794-TBKD
1794-OB16 1794-OB16P	16 outputs, source Protected	24V DC	10...31.2V DC	1794-TB2, 1794-TB3, 1794-TB3S, 1794-TBKD
1794-OB16D	16 outputs, source, diagnostic			1794-TB3, 1794-TB3S, 1794-TBKD
1794-OB32P	32 outputs, source	24V DC	10...31.2V DC	1794-TB32, 1794-TB32S
1794-OG16	16 outputs	5V DC TTL	0...0.4V DC	1794-TB3, 1794-TB3S

1794 FLEX DC Digital Modules

Cat. No.	Inputs/Outputs	Voltage Category	Operating Voltage Range	Terminal Base
1794-OV16 1794-OV16P	16 outputs, sink Protected	24V DC	10...31.2V DC	1794-TB3, 1794-TB3S
1794-OV32	32 outputs, sink	24V DC	10...31.2V DC	1794-TB32, 1794-TB32S
1794-OC16	16 outputs, source	48V DC	30...60V DC @ 45 °C (113 °F) 55V DC @ 55 °C (131 °F)	1794-TB3, 1794-TB2, 1794-TB3S, 1794-TBKD
1794-IB10XOB6 1794-IB16XOB16P	10 inputs, sink 6 outputs, source Protected	24V DC	10...31.2V DC	1794-TB3, 1794-TB3S

1794 FLEX Contact Output Modules

Cat. No.	Inputs/Outputs	Operating Voltage Range	Terminal Base Unit
1794-OW8	8 isolated N.O. relay contact	5...30V DC @ 2.0 A resistive 125V DC @ 0.22 A resistive 125V AC @ 2.0 A resistive 240V AC @ 2.0 A resistive	1794-TB2, 1794-TB3, 1794-TB3S, 1794-TBN, 1794-TBNF

1794 FLEX Analog Modules

Cat. No.	Inputs/Outputs	Range	Resolution	Terminal Base Unit
1794-IE8	8 inputs, single-ended	±10V, 0...10V 0...20 mA, 4...20 mA	12 bits unipolar 11 bits + sign bipolar	1794-TB3, 1794-TB2, 1794-TB3S, 1794-TB3T, 1794-TB3TS
1794-IE8H	8 inputs, single-ended HART interface	±10V, 0...10V 0...20 mA, 4...20 mA	16 bits	1794-TB3G or 1794-TB3GS
1794-IF4I	4 inputs, individually isolated	±10V, 0...10V, ±5V, 0...5V 0...20 mA, 4...20 mA, ±20mA	16 bits unipolar 15 bits + sign bipolar	1794-TB3, 1794-TB2, 1794-TB3S, 1794-TB3T, 1794-TB3TS, 1794-TBN
1794-IF8IH	8 inputs, individually isolated HART interface	0...20 mA, 4...20 mA	16 bits unipolar 15 bits + sign bipolar	1794-TB3, 1794-TB3S
1794-IE12	12 inputs, single-ended, non-isolated	0...20 mA, 4...20 mA	16 bits	1794-TB3G, 1794-TB3GS
1794-OE4	4 outputs, single-ended	±10V, 0...10V 0...20 mA, 4...20 mA	12 bits + sign	1794-TB3, 1794-TB2, 1794-TB3S, 1794-TB3T, 1794-TB3TS, 1794-TBN
1794-OE8H	8 outputs, single-ended, HART interface	±10V, 0...10V 0...20 mA, 4...20 mA	13 bits	1794-TB3G, 1794-TB3GS
1794-OE12	12 outputs, single-ended	0...20 mA, 4...20 mA	16 bits	1794-TB3G, 1794-TB3GS
1794-OF4I	4 outputs, individually isolated	±10V, 0...10V, ±5V, 0...5V 0...20 mA, 4...20 mA	15 bits + sign	1794-TB3, 1794-TB2, 1794-TB3S, 1794-TB3T, 1794-TB3TS, 1794-TBN
1794-OF8IH	8 outputs, individually isolated, single-ended, HART interface	0...20 mA, 4...20 mA	16 bits unipolar	1794-TB3, 1794-TB3S
1794-IE4XOE2	4 inputs 2 single-ended outputs	±10V, 0...10V 0...20 mA, 4...20 mA	12 bits unipolar 11 bits + sign bipolar	1794-TB3, 1794-TB2, 1794-TB3S, 1794-TB3T, 1794-TB3TS
1794-IE8XOE4	8 single-ended inputs 4 outputs	0...20 mA, 4...20 mA	16 bits	1794-TB3G, 1794-TB3GS
1794-IF2XOF2I	2 isolated inputs 2 outputs	±10V, 0...10V, ±5V, 0...5V 0...20 mA, 4...20 mA, ±20 mA	16 bits unipolar 15 bits + sign bipolar	1794-TB3, 1794-TB2, 1794-TB3S, 1794-TB3T, 1794-TB3TS, 1794-TBN

1794 FLEX RTD/Thermocouple Modules

Cat. No.	Inputs/Outputs	Sensors Supported	Resolution	Terminal Base Unit
1794-IR8	8 RTD inputs, strain gauge	100, 200 Ω Platinum 385 100, 200 Ω Platinum 3916 10 Ω Copper 427 100, 120 Ω Nickel 618 120 Ω Nickel 672 0...433 Ω	16 bits	1794-TB3, 1794-TB2, 1794-TB3S, 1794-TB3T, 1794-TB3TS
1794-IRT8	8 RTD/thermocouple inputs, strain gauge	100, 200 Ω Platinum 385 100, 200 Ω Platinum 3916 10 Ω Copper 427 100, 120 Ω Nickel 618 120 Ω Nickel 672 -40...+100 mV DC thermocouple 0...325 mV DC RTD 0...500 Ω resistance	14 bits	1794-TB3G, 1794-TB3GS
1794-IT8	6 thermocouple inputs	Thermocouple types B, E, J, K, N, R, S, T ±76.5 mV	16 bits	1794-TB3T, 1794-TB2, 1794-TB3, 1794-TB3S, 1794-TB3TS

1794 FLEX Counter Modules

Cat. No.	Counters	Input Frequency	Terminal Base Unit
1794-IJ2	2 frequency and 2 gate inputs 2 outputs	1...32 kHz w/sine wave 1...32 kHz w/square wave input	1794-TB3G, 1794-TB3GS
1794-VHSC	2 groups of A/A, B/B, and Z/Z input pairs 2 groups of 2 outputs	1.0 MHz counter and encoder X1 (no filters) 500 kHz encoder X2 (no filters) 250 kHz encoder X4 (no filters)	1794-TB3G, 1794-TB3GS
1794-ID2	2 groups of A, B, Z, G inputs	100 kHz	1794-TB3, 1794-TB3S, 1794-TBN, 1794-TBNF
1794-IP4	2 groups of 2	100 kHz	1794-TB3, 1794-TB3S, 1794-TBN, 1794-TBNF

In addition to EtherNet/IP adapters, there are other network options available. For more information about all modules, see FLEX I/O and FLEX Ex I/O Selection Guide, publication 1794-SG002.

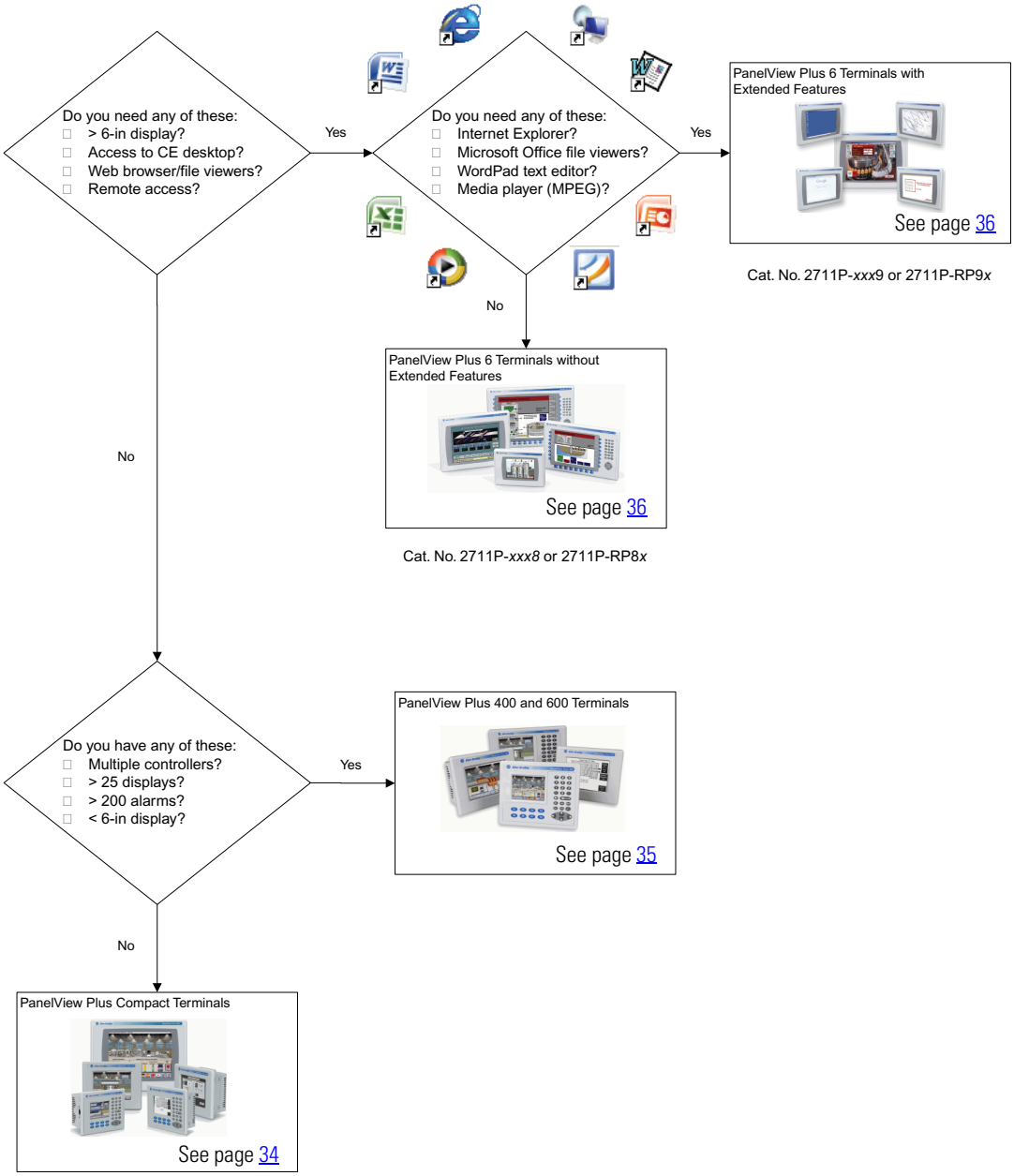
1794 FLEX Adapter Modules

Network	Module	Description
EtherNet/IP	1794-AENT	EtherNet/IP adapter
	1794-AENTR	EtherNet I/P adapter, dual-port
	1794-AENTRXT	EtherNet I/P adapter, dual-port, extreme temperature

PanelView Plus Terminals

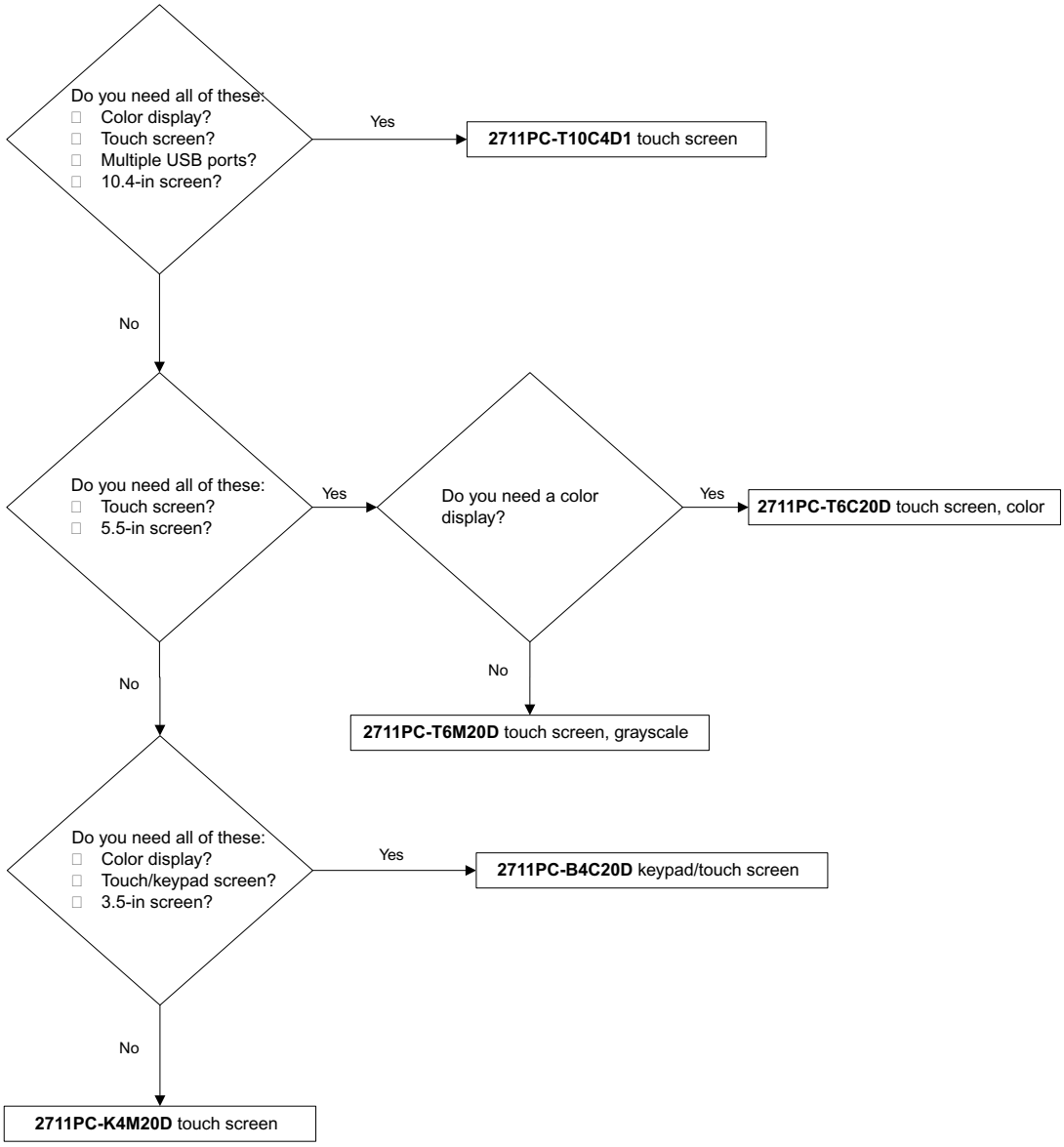
PanelView Plus terminals give operators a clear view into monitoring and controlling applications. With FactoryTalk® View Machine Edition software already installed and activated, development time is reduced.

Select the PanelView Plus Operator Terminal Family

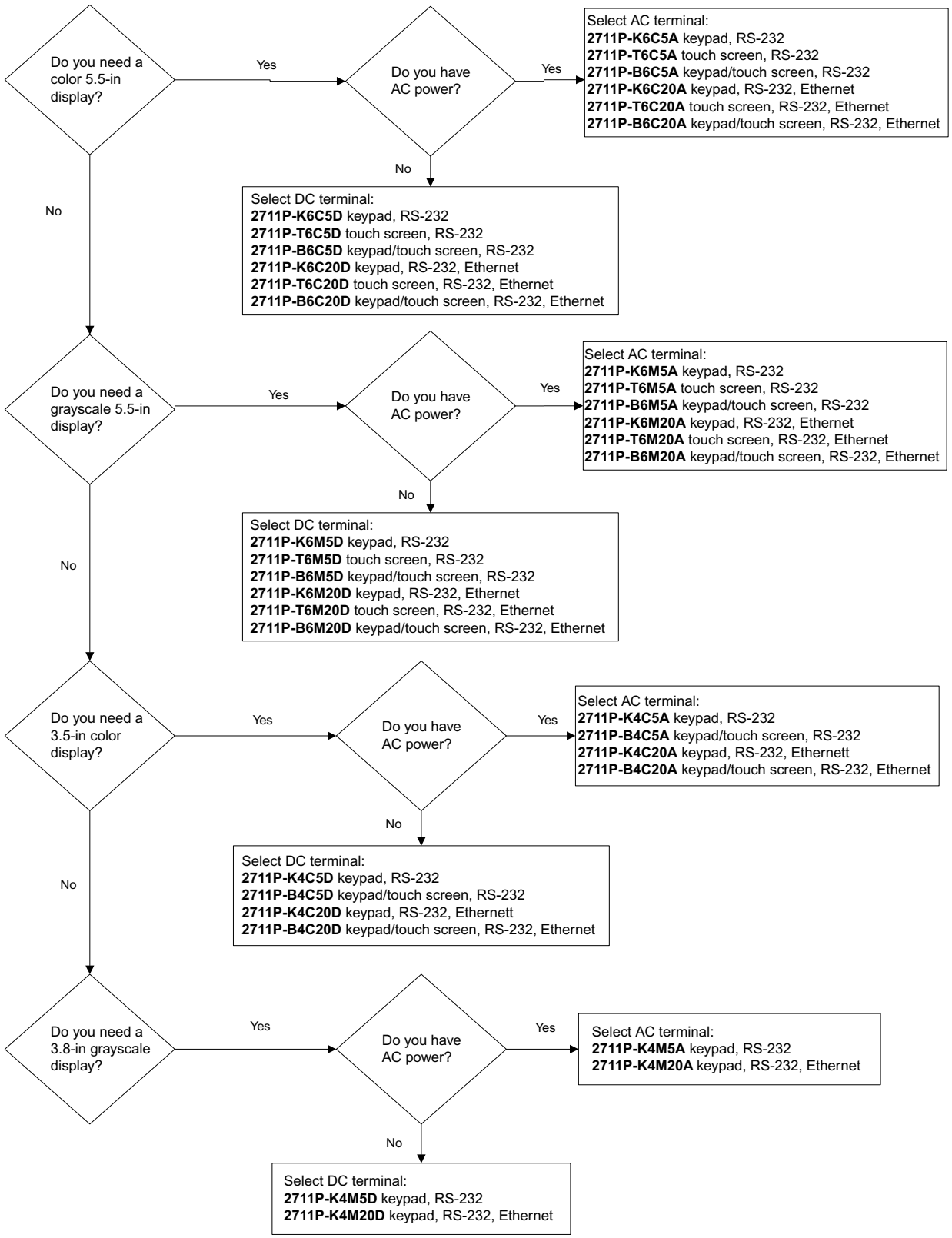


For more information, see Visualization Platforms Selection Guide, publication VIEW-SG001.

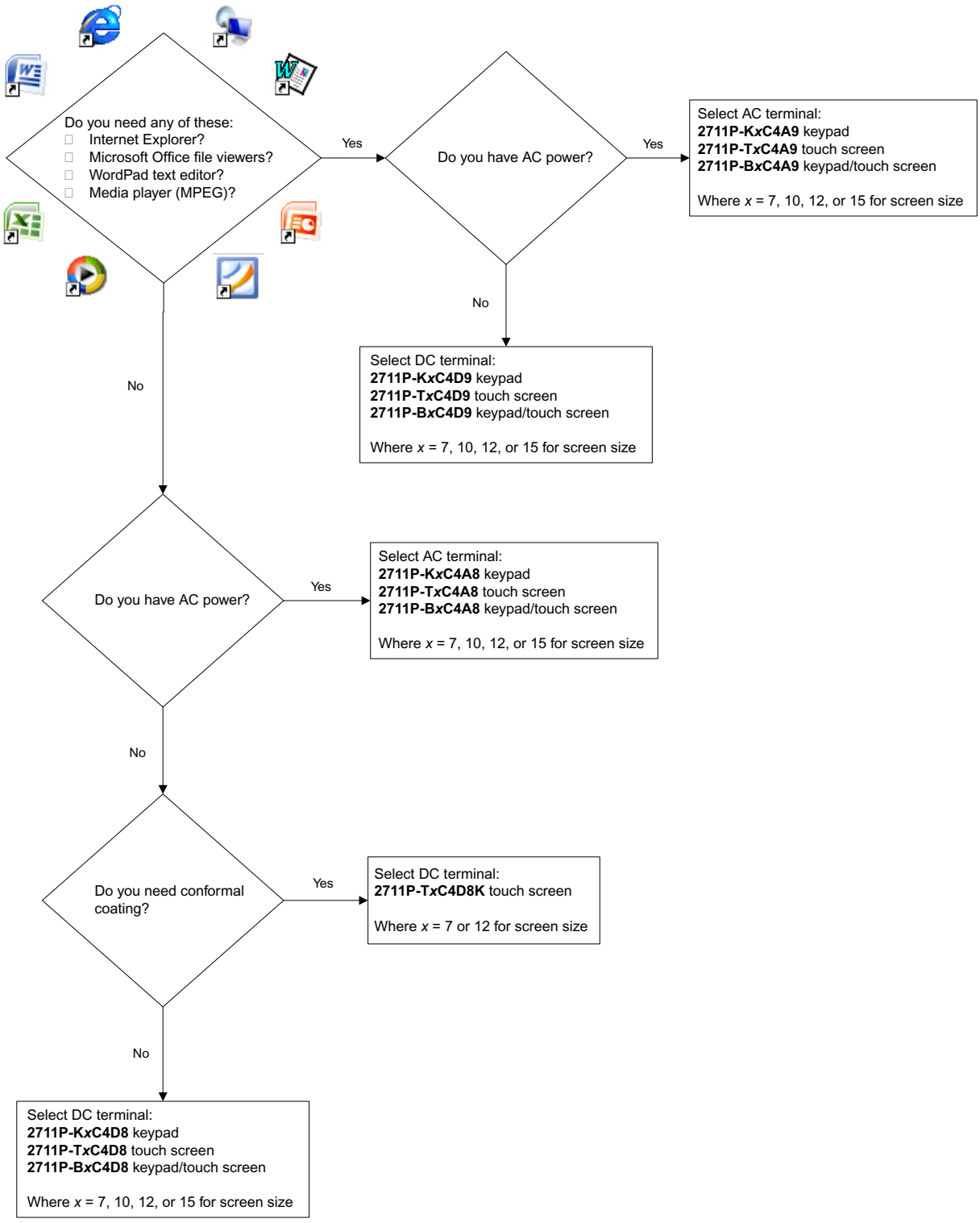
PanelView Plus Compact Terminals



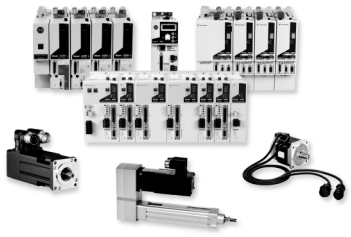
PanelView Plus 400 or 600 Terminals



PanelView Plus 6 Terminals

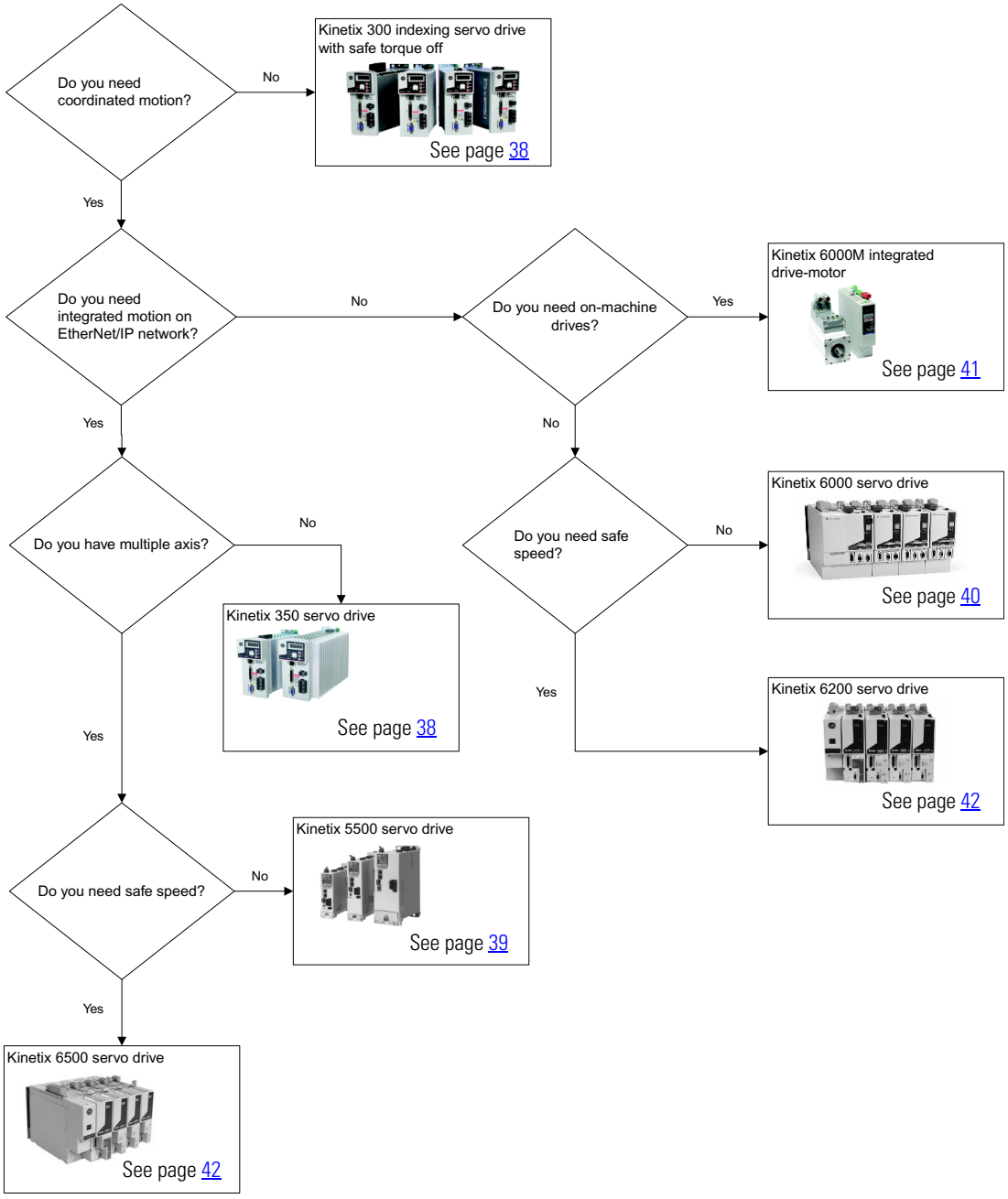


Kinetix Servo Drives



Kinetix Integrated Motion solutions offer seamless integration of the Allen-Bradley Logix controllers, high-performance networks, Allen-Bradley servo drives, motors and actuators, and extensive application knowledge—to make integrated motion the standard for machine control.

Select the Kinetix Servo Drive Family



For more information, see Kinetix Motion Control Selection Guide, publication GMC-SG001.

Kinetix 300 and 350 Servo Drives

The Kinetix 300 EtherNet/IP indexing servo drive provides a cost-effective solution for low-axis machines.

The Kinetix 350 single-axis servo drive provides scalability of integrated motion on an EtherNet/IP network.

The single-axis Kinetix 300 and 350 drives offer the following:

- Single, standard EtherNet/IP network
- Embedded, safe torque off functionality
- Voltage and power ranges to meet a wide array of requirements

Kinetix 300/350 Servo Drives with Safe Torque Off

Kinetix 300 Drives Cat. No.	Kinetix 350 Drives Cat. No.	Input Voltage
2097-V31PR0	2097-V31PR0-LM	120V AC rms, single-phase, 2.8 A 0-pk, 0.4 kW, no line filter, voltage doubler
		120/240V AC rms, single-phase, 2.8 A 0-pk, 0.4 kW, no line filter
2097-V31PR2	2097-V31PR2-LM	120V AC rms, single-phase, 5.7 A 0-pk, 0.8 kW, no line filter, voltage doubler
		120/240V AC rms, single-phase, 5.7 A 0-pk, 0.8 kW, no line filter
2097-V32PR0	2097-V32PR0-LM	240V AC rms, single-phase, 2.8 A 0-pk, 0.4 kW, integrated line filter
2097-V32PR2	2097-V32PR2-LM	240V AC rms, single-phase, 5.7 A 0-pk, 0.8 kW, integrated line filter
2097-V32PR4	2097-V32PR4-LM	240V AC rms, single-phase, 11.3 A 0-pk, 1.7 kW, integrated line filter
2097-V33PR1	2097-V33PR1-LM	120/240V AC rms, single-phase, 2.8 A 0-pk, 0.5 kW, no line filter 240V AC rms, three-phase, 2.8 A 0-pk, 0.5 kW, no line filter
2097-V33PR3	2097-V33PR3-LM	120/240V AC rms, single-phase, 5.7 A 0-pk, 1.0 kW, no line filter 240V AC rms, three-phase, 5.7 A 0-pk, 1.0 kW, no line filter
2097-V33PR5	2097-V33PR5-LM	120/240V AC rms, single-phase, 11.3 A 0-pk, 2.0 kW, no line filter 240V AC rms, three-phase, 11.3 A 0-pk, 2.0 kW, no line filter
2097-V33PR6	2097-V33PR6-LM	120/240V AC rms, single-phase, 17.0 A 0-pk, 3.0 kW, no line filter 240V AC rms, three-phase, 17.0 A 0-pk, 3.0 kW, no line filter
2097-V34PR3	2097-V34PR3-LM	480V AC rms, three-phase, 2.8 A 0-pk, 1.0 kW, no line filter
2097-V34PR5	2097-V34PR5-LM	480V AC rms, three-phase, 5.7 A 0-pk, 2.0 kW, no line filter
2097-V34PR6	2097-V34PR6-LM	480V AC rms, three-phase, 8.5 A 0-pk, 3.0 kW, no line filter

Kinetix 5500 Servo Drives

The Kinetix 5500 servo drive and Kinetix VP low-inertia servo motor offering is designed to connect and operate with the CompactLogix 5700 family of controllers. The Kinetix 5500 requires less panel space and can be connected easily. In addition, you can reduce installation and commissioning time by using just a single cable. To further enhance the design, the Kinetix 5500 has two embedded Ethernet ports for both linear and device-level topologies.

The Kinetix 5500 drive and Kinetix VP motors offer the following:

- The single, all-in-one cable equipped with SpeedTec connectors includes feedback, motor brake, and motor power
- Winding options that match to drive ratings
- Digital feedback device provides real-time motor performance information to the control system
- Smaller footprint with optimized power density
- All-in-one drive platform offers the capability to run servo and induction motors
- Flexible power connectivity in multi-axis, bus-sharing configurations
- Capacitor module eliminates the waste of energy through a shunt resistor

Kinetix 5500 Servo Drives

Cat. No.	Category	Description
2198-H003-ERS	• 195…264V rms, single-phase • 195…264V rms, three-phase • 324…528V rms, three-phase	Kinetix 5500, 1/3 phase, 1.4 A 0-pk, 0.6 kW max, frame 1
2198-H008-ERS		Kinetix 5500, 1/3 phase, 3.5 A 0-pk, 1.6 kW max, frame 1
2198-H015-ERS		Kinetix 5500, 1/3 phase, 7.1 A 0-pk, 3.2 kW max, frame 2
2198-H025-ERS	• 195…264V rms, three-phase • 324…528V rms, three-phase	Kinetix 5500, 3 phase, 11.3 A 0-pk, 5.1 kW max, frame 2
2198-H040-ERS		Kinetix 5500, 3 phase, 18.4 A 0-pk, 8.3 kW max, frame 2
2198-H070-ERS		Kinetix 5500, 3 phase, 32.5 A 0-pk, 14.6kW max, frame 3

Kinetix 6000 Servo Drives

The Kinetix 6000 multi-axis servo drive features a compact size, simplified wiring, and easy-to-use components that make a Kinetix 6000 drive an ideal choice for both OEMs and end-users. Target applications for the Kinetix 6000 drives include packaging, material handling, converting, and assembly:

- Advanced control capabilities provide greater precision and throughput.
- Built-in safety functionality: TÜV certified, SIL CL3, PLe, category 3 safety performance, safe-off control.
- Modular design lowers wiring time and related costs by greatly reducing the total number of connections.
- Sercos interface provides seamless integration into a 1768 CompactLogix platform for multi-axis integrated motion.

Kinetix 6000 Servo Drives

Cat. No.	Category	Description
2094-BC01-MP5-S	400V-class integrated axis module	Kinetix 6000, 460V AC, 6 kW converter, 1.8 kW inverter
2094-BC01-M01-S		Kinetix 6000, 460V AC, 6 kW converter, 3.9 kW inverter
2094-BC02-M02-S		Kinetix 6000, 460V AC, 15 kW converter, 6.6 kW inverter
2094-BC04-M03-S		Kinetix 6000, 460V AC, 28 kW converter, 13.5 kW inverter
2094-BC07-M05-S		Kinetix 6000, 460V AC, 45 kW converter, 22 kW inverter
2094-BMP5-S	400V-class axis module	Kinetix 6000, 460V AC, 1.8 kW inverter
2094-BM01-S		Kinetix 6000, 460V AC, 3.9 kW inverter
2094-BM02-S		Kinetix 6000, 460V AC, 6.6 kW inverter
2094-BM03-S		Kinetix 6000, 460V AC, 13.5 kW inverter
2094-BM05-S		Kinetix 6000, 460V AC, 22 kW inverter
2094-AC05-MP5-S	200V-class integrated axis module	Kinetix 6000, 230V AC, 3 kW converter, 1.2 kW inverter
2094-AC05-M01-S		Kinetix 6000, 230V AC, 3 kW converter, 1.9 kW inverter
2094-AC09-M02-S		Kinetix 6000, 230V AC, 6 kW converter, 3.4 kW inverter
2094-AC16-M03-S		Kinetix 6000, 230V AC, 11 kW converter, 5.5 kW inverter
2094-AC32-M05-S		Kinetix 6000, 230V AC, 23 kW converter, 11 kW inverter
2094-AMP5-S	200V-class axis module	Kinetix 6000, 230V AC, 1.2 kW inverter
2094-AM01-S		Kinetix 6000, 230V AC, 1.9 kW inverter
2094-AM02-S		Kinetix 6000, 230V AC, 3.4 kW inverter
2094-AM03-S		Kinetix 6000, 230V AC, 5.5 kW inverter
2094-AM05-S		Kinetix 6000, 230V AC, 11 kW inverter

Kinetix 6000M Integrated Drive-Motor

The Allen-Bradley Kinetix 6000M integrated drive-motor combines the high-performance Allen-Bradley MP-Series servo motor and Kinetix 6000 servo drive technologies into a compact package that provides significant, electrical-enclosure space savings and simplified servo system cabling. The Kinetix 6000M system is designed to integrate seamlessly with the popular Kinetix 6000 multi-axis servo drive system and features an integrated drive-motor interface module that mounts directly to the Kinetix 6000 power rail. This On-Machine solution helps reduce the time required to add or remove servo axes and is available with IP66 food-grade ratings in three different frame sizes with optional holding brakes.

The Kinetix 6000M integrated drive-motor (IDM) system consists of the IDM unit, the IDM power interface module (IPIM), and the hybrid power and network communication cables that connect the system:

- The integrated drive-motor units feature mounting flanges and shaft dimensions that are identical to MP-Series motors of the same frame size, making the units easy to upgrade to integrated drive-motor technology.
- The 460V power interface module supplies DC bus and control power and provides the sercos II and safety connections. The module mounts directly on a Kinetix 6000 power rail and connects to the sercos fiber-optic motion network.
- A single hybrid power cable and single network cable connect the Kinetix 6000M power interface module to as many as 16 integrated drive-motor units. Use individual hybrid power and network cables to daisy-chain from one integrated drive-motor unit to another.
- SIL2/PLd/Cat 3 safe torque-off functionality is included with the Kinetix 6000M system using standard Kinetix 6000 safe-off header connectors and cables. When the Kinetix 6000M power interface module receives a safe torque-off command, all of the integrated drive-motor units connected to the IPIM are put in the safe torque-off state.

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Kinetix 6000M Integrated Drive-Motor

Cat. No.	Category	Description
MDF-SB1003P	460V IDM unit	Kinetix 6000M, 460V, IEC 100 frame, 5000 rpm
MDF-SB1153H	460V IDM unit	Kinetix 6000M, 460V, IEC 115 frame, 3500 rpm
MDF-SB1304F	460V IDM unit	Kinetix 6000M, 460V, IEC 130 frame, 3000 rpm
2094-SEPM-B24-S	460V IPIM module	Kinetix 6000M, 460V, sercos

Kinetix 6200 and 6500 Servo Drives

These modular safe-speed servo drives help increase productivity and protect personnel with embedded safety features. Modular design and control provides ease of maintenance and greater flexibility as the drive easily transitions from safe torque-off to safe speed.

The Kinetix 6500 servo drives provide Integrated Motion on the EtherNet/IP network by using CIP Motion and CIP Sync technology from ODVA, all built on the Common Industrial Protocol (CIP).

The Kinetix 6200 servo drives provide Integrated Motion capability through a sercos interface and compatibility with Kinetix 6000 drives, letting you migrate to the enhanced features exactly when and where you need them:

- Safety features are designed to help protect personnel and assets while helping to improve productivity through reduced machine downtime. Features include Safe Stop, Zero Speed Monitoring, Safe Maximum Speed, Safe Direction Monitoring, Door Monitoring and Control, Enabling Switch Control and Safe Maximum Acceleration Monitoring
- Gain safer access to guarded areas while operation continues under limited conditions
- Reduces and monitors application speed so that an operator can safely inspect and perform limited work without completely stopping the machine
- Modular design simplifies wiring, simplifies maintenance, reduces spare parts inventory, and helps you adapt quickly to technology enhancements
- Use your existing Kinetix 6000 accessories, such as the Line Interface Module.

Kinetix 6200 and 6500 Servo Drives

Cat. No.	Category	Description
2094-BC01-MP5-M	Integrated axis module 400V-class power module	Kinetix 6200 and Kinetix 6500, 460V AC, 6 kW converter, 1.8 kW inverter
2094-BC01-M01-M		Kinetix 6200 and Kinetix 6500, 460V AC, 6 kW converter, 3.9 kW inverter
2094-BC02-M02-M		Kinetix 6200 and Kinetix 6500, 460V AC, 15 kW converter, 6.6 kW inverter
2094-BMP5-M	Integrated axis module 400V-class power module	Kinetix 6200 and Kinetix 6500, 460V AC, 1.8 kW inverter
2094-BM01-M		Kinetix 6200 and Kinetix 6500, 460V AC, 3.9 kW inverter
2094-BM02-M		Kinetix 6200 and Kinetix 6500, 460V AC, 6.6 kW inverter
2094-EN02D-M01-S0	Control module	Kinetix 6500, EtherNet/IP, safe torque-off
2094-EN02D-M01-S1		Kinetix 6500, EtherNet/IP, safe speed monitoring
2094-SE02F-M00-S0	Control module	Kinetix 6200, sercos, safe torque-off
2094-SE02F-M00-S1		Kinetix 6200, sercos, safe speed monitoring

Kinetix Rotary Servo Motors

Series	Characteristics	Feedback Options	Speed	Continuous Torque
Kinetix VP (Bulletin VPL) low inertia motors	• Integrated mechatronic functions • One cable between motor and drive • Low speed winding options	Digital feedback device provides realtime motor performance information	Up to 7000 rpm	1.93…33 N•m (17…292 lb•in)
MP-Series (Bulletin MPL) low inertia motors	• High torque to size ratio • Smart Motor Technology • Low rotor inertia	• Multi-turn, high-resolution absolute position • Single-turn, high-resolution absolute position	Up to 8000 rpm	0.26…163 N•m (2.3…1440 lb•in)
MP-Series (Bulletin MPM) medium inertia motors	• High torque to size ratio • Smart Motor Technology • Medium rotor inertia • Easy migration from 1326AB motors	• Multi-turn, high-resolution absolute position • Single-turn, high-resolution absolute position • Resolver	Up to 7000 rpm	2.18…62.8 N•m (19.3…556 lb•in)
MP-Series (Bulletin MPF) food grade motors	• Combined characteristics of MP-Series low-inertia motors and features specifically designed for food and beverage applications • Low rotor inertia	• Multi-turn, high-resolution absolute position • Single-turn, high-resolution absolute position	Up to 5000 rpm	1.6…19.4 N•m (14…172 lb•in)
MP-Series (Bulletin MPS) stainless steel motors	• Specifically designed for hygienic environments for use with high pressure, highly caustic washdown applications • Low rotor inertia		3000 and 5000 rpm	3.6…21.5 N•m (32…190 lb•in)
Kinetix 6000M Integrated Drive-Motor System	• Combines the reliable high-performance MP-Series servo motors and Kinetix 6000 servo drives • Compatible with 400V-class Kinetix 6000 and Kinetix 6200 drive systems • Integrated SIL2/PLd safe torque-off capability • Motor mounting flanges and shaft dimensions same as MP-Series motors • Low rotor inertia	Multi-turn high-resolution absolute position encoder	• MDF-SB1003P: 3000 rpm • MDF-SB1153H: 3500 rpm • MDF-SB1304F: 5000 rpm	• MDF-SB1003P: 3.0 (26.5) • MDF-SB1153H: 4.8 (42.5) • MDF-SB1304F: 7.25 (64.2)
RDD-Series Direct Drive Servo Motors	• Smart Motor Technology • Direct coupling to the load • Bearingless housed configuration	• Multi-turn, high-resolution Heidenhain EnDat 2.2 • Single-turn, high-resolution Heidenhain EnDat 2.2	Base speeds between 177…1836 rpm	32.7…426 N•m (289…3770 lb•in)
TL-Series Low Inertia Servo Motors	• Compact size, high torque density • Metric and NEMA frame sizes • Smart Motor Technology • Low rotor inertia	• Multi-turn, (battery-backed) high-resolution absolute position • Incremental (2000 counts)	4500, 5000, and 6000 rpm	0.086…5.42 N•m (0.76…48 lb•in)

Kinetix Linear Motors and Actuators

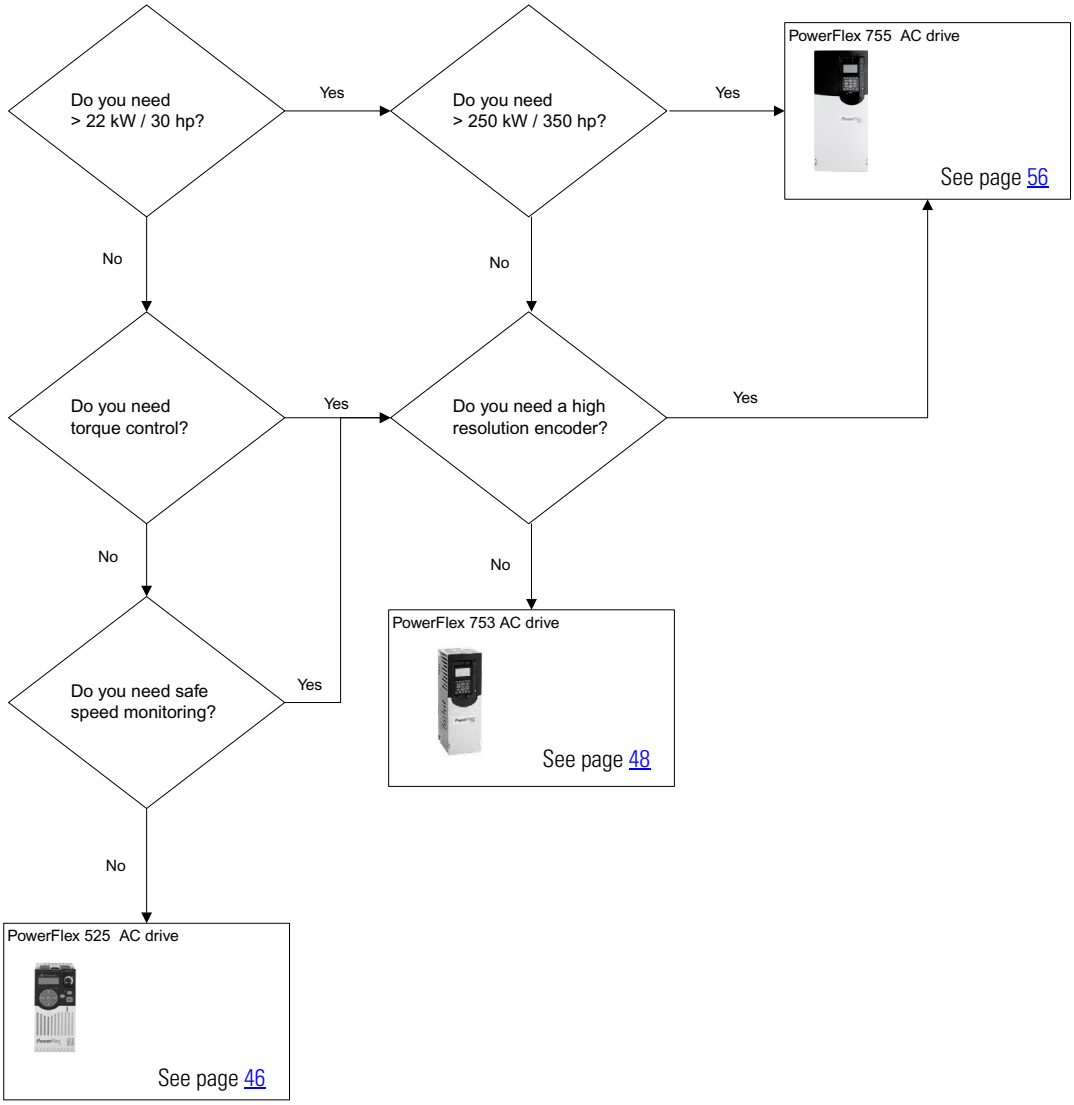
Series	Characteristics	Type	Peak Velocity	Peak Force
LDC-Series linear motors	• High thrust force to cost ratio for less costly solutions • Cogging torque < 5% of the continuous force • 230/400 and 460V AC operation	Iron core coil and magnet track	10 m/s (32.8 ft/s)	188…5246 N (42…1179 lb)
LDL-Series linear motors	• Non-cogging technology for super smooth motion • No magnetic attraction between the coil and magnet channel allows for the use of smaller, less expensive linear bearings • No external magnetic field to have to shield in magnetic sensitive applications 230V AC operation	Ironless coil and magnet channel	10 m/s (32.8 ft/s)	209…1977 N (47…444 lb)
MP-Series (Bulletin MPAS) Integrated linear stages	• Rugged linear stages with integrated direct-drive linear motor or ballscrew with MP-Series servo motor • Available in three frame sizes (base widths) to accommodate a variety of load requirements for general automation • Smart Motor Technology (ballscrew) • Very high linear speeds (direct drive)	• Direct-drive linear stage • Ballscrew-drive linear stage	200…5000 mm/s (7.9…196.9 in/s)	312…1212 N (70…273 lb)
MP-Series (Bulletin MPMA) integrated multi-axis linear stages	• Rugged linear stages with integrated direct-drive linear motor or ballscrew with MP-Series servo motor • Available in three frame sizes (base widths) to accommodate a variety of load requirements for general automation • Smart Motor Technology (ballscrew) • Very high linear speeds (direct drive)			
TL-Series (Bulletin TLAR) electric cylinders	State-of-the-art design features ball screw construction driven by TL-Series (Bulletin TLY) servo motors	Ball-screw driven electric cylinders	0.15…1.0 m/s (5.9…39.4 in/s)	300…2500 N (67…562 lb)
MP-Series (Bulletin MPAR) electric cylinders	State-of-the-art design features ball screw construction driven by MP-Series (Bulletin MPL) servo motors			
MP-Series (Bulletin MPAI) heavy duty electric cylinders	• State-of-the-art design features ball screw and roller screw construction driven by MP-Series (Bulletin MPL) servo motors • Front flange-mount, front trunnion-mount, and rear clevis-mount cylinders • Food-grade (paint) option with epoxy coating and corrosion resistant stainless steel fasteners and accessories	Ball screw and roller screw electric cylinders	176…610 mm/s (6.9…24.0 in/s)	1446…14,679 N (325…3300 lb)
LDAT-Series integrated linear thrusters	The LDAT-Series linear thrusters are precise, high-speed, iron-core linear actuators with a built-in linear guide	• Direct-drive linear thrusters • Frame sizes 30, 50, 75, 100, and 150 mm	Up to 5 m/s (16 ft/s), and acceleration, 49 m/s2 (160 ft/s2) standard	168…4305 N (38…968 lb)

PowerFlex AC Drives

The PowerFlex family of drives offers a broad range of control modes to fit virtually any motor control requirement. The combination of features, options, and packaging offer versatility that helps meet safety requirements and ease programming and configuration.

Save configuration and troubleshooting time by seamlessly integrating PowerFlex drives and CompactLogix controllers. This integration provides easy communication between plant floor and the front office while providing convenient access to real-time information and production data. Configure PowerFlex drives with add on profiles for RSLogix 5000 software to consolidate drive system configuration, operation, and maintenance into one software tool.

Select the PowerFlex AC Drive Family



There are several PowerFlex AC drive options. For more information, see PowerFlex Low Voltage Drives Selection Guide, publication PFLEX-SG002.

PowerFlex 525 AC Drive

PowerFlex 525 AC drives feature an innovative, modular design for cost-effective compact drives that come with embedded EtherNet/IP communications, safety, USB configuration, and a high-ambient operating temperature. PowerFlex 525 AC drives also provide a variety of motor control including volts per hertz, sensorless vector control, closed-loop, velocity vector control, and permanent magnet motor control(1).

PowerFlex 525: 100…120V AC, Single-phase Drives (50/60 Hz)

Drive Ratings						No Filter	Integral EMC Filter
Normal Duty		Heavy Duty		Output Current	Frame Size	Cat. No.	Cat. No.
kW	Hp	kW	Hp	A			
0.4	0.5	0.4	0.5	2.5	A	25B-V2P5N104	—
0.75	1	0.75	1	4.8	B	25B-V4P8N104	—
1.1	1.5	1.1	1.5	6	B	25B-V6P0N104	—

PowerFlex 525: 200…240V AC, Single-phase Drives (50/60 Hz)

Drive Ratings						No Filter	Integral EMC Filter
Normal Duty		Heavy Duty		Output Current	Frame Size	Cat. No.	Cat. No.
kW	Hp	kW	Hp	A			
0.4	0.5	0.4	0.5	2.5	A	25B-A2P5N104	25B-A2P5N114
0.75	1	0.75	1	4.8	A	25B-A4P8N104	25B-A4P8N114
1.5	1.5	1.5	2	8	B	25B-A8P0N104	25B-A8P0N114
2.2	3	2.2	3	11	B	25B-A011N104	25B-A011N114

PowerFlex 525: 200…240V AC, Three-phase Drives (50/60 Hz)

Drive Ratings						No Filter	Integral EMC Filter
Normal Duty		Heavy Duty		Output Current	Frame Size	Cat. No.	Cat. No.
kW	Hp	kW	Hp	A			
0.4	0.5	0.4	0.5	2.5	A	25B-B2P5N104	—
0.75	1	0.75	1	5	A	25B-B5P0N104	—
1.5	2	1.5	2	8	A	25B-B8P0N104	—
2.2	3	2.2	3	11	A	25B-B011N104	—
4	5	4	5	17.5	B	25B-B017N104	—
5.5	7.5	5.5	7.5	24	C	25B-B024N104	—
7.5	10	7.5	10	32.2	D	25B-B032N104	—
11	15	11	15	48.3	E	25B-B048N104	—
15	20	15	20	62.1	E	25B-B062N104	—

(1) Permanent magnet motor control scheduled for future release.

PowerFlex 525: 380…480V AC, Three-phase Drives (50/60 Hz)

Drive Ratings						No Filter	Integral EMC Filter
Normal Duty		Heavy Duty		Output Current	Frame Size	Cat. No.	Cat. No.
kW	Hp	kW	Hp	A			
0.4	0.5	0.4	0.5	1.4	A	25B-D1P4N104	25B-D1P4N114
0.75	1	0.75	1	2.3	A	25B-D2P3N104	25B-D2P3N114
1.5	2	1.5	2	4	A	25B-D4P0N104	25B-D4P0N114
2.2	3	2.2	3	6	A	25B-D6P0N104	25B-D6P0N114
4	5	4	5	10.5	B	25B-D010N104	25B-D010N114
5.5	7.5	5.5	7.5	13	C	25B-D013N104	25B-D013N114
7.5	10	7.5	10	17	C	25B-D017N104	25B-D017N114
11	15	11	15	24	D	25B-D024N104	25B-D024N114
15	20	15	20	30	D	25B-D030-N104	25B-D030N114
18.5	25	11	15	37	E	25B-D037N114(1)	25B-D037N114
22	30	18.5	25	43	E	25B-D043N114(1)	25B-D043N114

(1) With EMC filter.

PowerFlex 525: 525…600V AC, Three-phase Drives (50/60 Hz)

Drive Ratings						No Filter	Integral EMC Filter
Normal Duty		Heavy Duty		Output Current	Frame Size	Cat. No.	Cat. No.
kW	Hp	kW	Hp	A			
0.4	0.5	0.4	0.5	0.9	A	25B-E0P9N104	—
0.75	1	0.75	1	1.7	A	25B-E1P7N104	—
1.5	2	1.5	2	3	A	25B-E3P0N104	—
2.2	3	2.2	3	4.2	A	25B-E4P2N104	—
4	5	4	5	6.6	B	25B-E6P6N104	—
5.5	7.5	5.5	7.5	9.9	C	25B-E9P9N104	—
7.5	10	7.5	10	12	C	25B-E012N104	—
11	15	11	15	19	D	25B-E019N104	—
15	20	11	15	22	D	25B-E022N104	—
18.5	25	15	20	27	E	25B-E027N104	—
22	30	18.5	25	32	E	25B-E032N104	—

PowerFlex 753 AC Drive

Designed for general purpose applications, the PowerFlex 753 AC drive offers multiple options and features along with the added benefit of simple integration. The PowerFlex 753 drive comes standard with built-in I/O making the drive a cost effective solution ideal for OEMs and system integrators looking to reduce engineering costs, deliver machines to market faster and meet end user demand for more productive and safer machines.

The PowerFlex 753 drive requires a 20-COMM-E module for EtherNet/IP communication.

IP00/IP20, NEMA/UL Type Open

PowerFlex 753 IP00/IP20, NEMA/UL Type Open
380…480V AC, Three-phase Drives

480V AC Input						400V AC Input						Frame Size[1]
Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[2]			Normal Duty kW	Heavy Duty kW	Cat. No.[3]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
2.1	2.3	3.2	1	0.5	20F11RD2P1AA0NNNNN	2.1	2.3	3.2	0.75	0.37	20F11RC2P1JA0NNNNN	1
3.4	3.7	5.1	2	1.5	20F11RD3P4AA0NNNNN	3.5	3.9	5.3	1.5	0.75	20F11RC3P5JA0NNNNN	1
5	5.5	7.5	3	2	20F11RD5P0AA0NNNNN	5	5.5	7.5	2.2	1.5	20F11RC5P0JA0NNNNN	1
8	8.8	12	15	3	20F11RD8P0AA0NNNNN	8.7	9.6	13.1	4	2.2	20F11RC8P7JA0NNNNN	1
11	12.1	16.5	7.5	5	20F11RD011AA0NNNNN	11.5	12.7	17.3	5.5	4	20F11RC011JA0NNNNN	1
14	15.4	21	10	7.5	20F11RD014AA0NNNNN	15.4	16.9	23.1	7.5	5.5	20F11RC015JA0NNNNN	1
2.1	3.1	3.7	1	1	20F11ND2P1AA0NNNNN	2.1	3.1	3.7	0.75	0.75	20F11NC2P1JA0NNNNN	2
3.4	5.1	6.1	2	2	20F11ND3P4AA0NNNNN	3.5	5.2	6.3	1.5	1.5	20F11NC3P5JA0NNNNN	2
5	7.5	9	3	3	20F11ND5P0AA0NNNNN	5	7.5	9	2.2	2.2	20F11NC5P0JA0NNNNN	2
8	12	14.4	5	5	20F11ND8P0AA0NNNNN	8.7	13	15.6	4	4	20F11NC8P7JA0NNNNN	2
11	16.5	19.8	7.5	7.5	20F11ND011AA0NNNNN	11.5	17.2	20.7	5.5	5.5	20F11NC011JA0NNNNN	2
14 (11)	15.4 (16.5)	21 (21)	10	7.5	20F11ND014AA0NNNNN	15.4 (11.5)	16.9 (17.3)	23.1 (23.1)	7.5	5.5	20F11NC015JA0NNNNN	2
22 (14)	24.2 (21)	33 (33)	15	10	20F11ND022AA0NNNNN	22 (15.4)	24.2 (23.1)	33 (33)	11	7.5	20F11NC022JA0NNNNN	2
27 (22)	29.7 (33)	40.5 (40.5)	20	15	20F11ND027AA0NNNNN	30 (22)	33 (33)	45 (45)	15	11	20F11NC030JA0NNNNN	3
34 (27)	37.4 (40.5)	51 (51)	25	20	20F11ND034AA0NNNNN	37 (30)	40.7 (45)	55.5 (55.5)	18.5	15	20F11NC037JA0NNNNN	3
40 (34)	44 (51)	60 (61.2)	30	25	20F11ND040AA0NNNNN	43 (37)	47.3 (55.5)	64.5 (66.6)	22	18.5	20F11NC043JA0NNNNN	3
52 (40)	57.2 (60)	78 (78)	40	30	20F11ND052AA0NNNNN	60 (43)	66 (66)	90 (90)	30	22	20F11NC060JA0NNNNN	4
65 (52)	71.5 (78)	97.5 (97.5)	50	40	20F11ND065AA0NNNNN	72 (60)	79.2 (90)	108 (108)	37	30	20F11NC072JA0NNNNN	4
77 (65)	84.7 (97.5)	116 (117)	60	50	20F11ND077AA0NNNNN	85 (72)	93.5 (108)	128 (130)	45	37	20F11NC085JA0NNNNN	5
96 (77)	106 (116)	144 (144)	75	60	20F11ND096AA0NNNNN	104 (85)	114 (128)	156 (156)	55	45	20F11NC104JA0NNNNN	5

PowerFlex 753 IP00/IP20, NEMA/UL Type Open
380…480V AC, Three-phase Drives

480V AC Input						400V AC Input						Frame Size[1]
Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[2]			Normal Duty kW	Heavy Duty kW	Cat. No.[3]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
125 (96)	138 (144)	188 (188)	100	75	20F1AND125AN0NNNNN	140 (104)	154 (156)	210 (210)	75	55	20F1ANC140JN0NNNNN	6[4]
156 (125)	172 (188)	234 (234)	125	100	20F1AND156AN0NNNNN	170 (140)	187 (210)	255 (255)	90	75	20F1ANC170JN0NNNNN	6[4]
186 (156)	205 (234)	279 (281)	150	125	20F1AND186AN0NNNNN	205 (170)	226 (255)	308 (308)	110	90	20F1ANC205JN0NNNNN	6[4]
248 (186)	273 (279)	372 (372)	200	150	20F1AND248AN0NNNNN	260 (205)	286 (308)	390 (390)	132	110	20F1ANC260JN0NNNNN	6[4]
302 (248)	332 (372)	453 (453)	250	200	20F1AND302AN0NNNNN	302 (260)	332 (390)	453 (468)	160	132	20F1ANC302JN0NNNNN	7[4]
361 (302)	397 (453)	542 (544)	300	250	20F1AND361AN0NNNNN	367 (302)	404 (453)	551 (551)	200	160	20F1ANC367JN0NNNNN	7[4]
415 (361)	457 (542)	622.5 (650)	350	300	20F1AND415AN0NNNNN	456 (367)	502 (551)	684 (684)	250	200	20F1ANC456JN0NNNNN	7[4]

(1) Frames 2…5 are IP20, Frames 6…7 are IP00.

(2) Some drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

(3) The 11th character determines default Filtering and Common Mode Cap jumper configuration. J = Installed, A = Removed.

(4) Also available with internal Brake IGBT (20F1xxxxxxx A xxxxxx).

Frames 3, 4, and 5 are 600V-only drives. Frames 6 and 7 are dual voltage drives and can be operated at 600V or 690V AC.
Important: Frames 3, 4, and 5 must NOT be used in common DC input sharing applications with Frame 6 or larger drives. For details, contact your local Rockwell Automation sales office or Allen-Bradley distributor.

DC bus terminals are not supplied with AC input Frame 6 and 7 drives.

PowerFlex 753 IP00/IP20, NEMA/UL Type Open 600V AC, Three-phase Drives[1]

Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Frame Size
Cont	1 Min	3 Sec				
1.7 (0.9)	1.9 (1.4)	2.6 (2.6)	1	0.5	20F11NE1P7AA0NNNNN	3
2.7 (1.7)	3 (2.6)	4.1 (4.6)	2	1	20F11NE2P7AA0NNNNN	3
3.9 (2.7)	4.3 (4.1)	5.9 (7.3)	3	2	20F11NE3P9AA0NNNNN	3
6.1 (3.9)	6.7 (5.9)	9.2 (10.5)	5	3	20F11NE6P1AA0NNNNN	3
9 (6.1)	9.9 (9.2)	13.5 (16.5)	7.5	5	20F11NE9P0AA0NNNNN	3
11 (9)	12.1 (13.5)	16.5 (24.3)	10	7.5	20F11NE011AA0NNNNN	3
17 (11)	18.7 (16.5)	25.5 (29.7)	15	10	20F11NE017AA0NNNNN	3
22 (17)	24 (26)	33 (46)	20	15	20F11NE022AA0NNNNN	3
27 (22)	30 (33)	41 (59)	25	20	20F11NE027AA0NNNNN	4
32 (27)	35 (41)	48 (73)	30	25	20F11NE032AA0NNNNN	4
41 (32)	45 (48)	62 (86)	40	30	20F11NE041AA0NNNNN	5
52 (41	57 (62)	78 (111)	50	40	20F11NE052AA0NNNNN	5

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) These drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

PowerFlex 753 IP00/IP20, NEMA/UL Type Open 500…690V AC, Three-phase Drives[1]

500…600V AC Input						690V AC Input						Frame Size
Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[2]			Normal Duty kW	Heavy Duty kW	Cat. No.[3]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
12 (9.1)	13.2 (13.7)	18 (18)	10	7.5	20F1ANE012AN0NNNNN	12 (9)	13.2 (13.5)	18 (18)	7.5	5.5	20F1ANF012JN0NNNNN	6
18 (11.1)	19.8 (16.7)	27 (27)	15	10	20F1ANE018AN0NNNNN	15 (11.5)	16.5 (17.3)	22.5 (22.5)	11	7.5	20F1ANF015JN0NNNNN	6
23 (18)	25.3 (27)	34.5 (34.5)	20	15	20F1ANE023AN0NNNNN	20 (15)	22 (22.5)	30 (30)	15	11	20F1ANF020JN0NNNNN	6
24 (22)	26.4 (33)	36 (39.6)	20	20	20F1ANE024AN0NNNNN	23 (20)	25.3 (30)	34.5 (36)	18.5	15	20F1ANF023JN0NNNNN	6
28 (23)	30.8 (34.5)	42 (42)	25	20	20F1ANE028AN0NNNNN	30 (23)	33 (34.5)	45 (45)	22	18.5	20F1ANF030JN0NNNNN	6
33 (28)	36.3 (42)	49.5 (50.4)	30	25	20F1ANE033AN0NNNNN	34 (30)	37.4 (45)	51 (54)	30	22	20F1ANF034JN0NNNNN	6
42 (33)	46.2 (49.5)	63 (63)	40	30	20F1ANE042AN0NNNNN	46 (34)	50.6 (51)	69 (69)	37	30	20F1ANF046JN0NNNNN	6
53 (42)	58.3 (63)	79.5 (79.5)	50	40	20F1ANE053AN0NNNNN	50 (46)	55 (69)	75 (82.8)	45	37	20F1ANF050JN0NNNNN	6
63 (52)	69.3 (78)	94.5 (94.5)	60	50	20F1ANE063AN0NNNNN	61 (50)	67.1 (75)	91.5 (91.5)	55	45	20F1ANF061JN0NNNNN	6
77 (63)	84.7 (94.5)	116 (116)	75	60	20F1ANE077AN0NNNNN	82 (61)	90.2 (91.5)	123 (123)	75	55	20F1ANF082JN0NNNNN	6

PowerFlex 753 IP00/IP20, NEMA/UL Type Open 500…690V AC, Three-phase Drives[1]

500…600V AC Input						690V AC Input						Frame Size
Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[2]			Normal Duty kW	Heavy Duty kW	Cat. No.[3]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
99 (77)	109 (116)	149 (149)	100	75	20F1ANE099AN0NNNNN	98 (82)	108 (123)	147 (148)	90	75	20F1ANF098JN0NNNNN	6
125 (99)	138 (149)	188 (188)	125	100	20F1ANE125AN0NNNNN	119 (98)	131 (147)	179 (179)	110	90	20F1ANF119JN0NNNNN	6
144 (125)	158 (188)	216 (225)	150	125	20F1ANE144AN0NNNNN	142 (119)	156 (179)	213 (214)	132	110	20F1ANF142JN0NNNNN	6
192 (144)	211 (216)	288 (288)	200	150	20F1ANE192AN0NNNNN	171 (142)	188 (213)	257 (257)	160	132	20F1ANF171JN0NNNNN	7
242 (192)	266 (288)	363 (363)	250	200	20F1ANE242AN0NNNNN	212 (171)	233 (257)	318 (318)	200	160	20F1ANF212JN0NNNNN	7
289 (242)	318 (318)	434 (436)	300	250	20F1ANE289AN0NNNNN	263 (212)	289 (289)	395 (395)	250	200	20F1ANF263JN0NNNNN	7

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) These drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

(3) The 11th character determines default Filtering and Common Mode Cap jumper configuration. J = Installed, A = Removed.

Flange Mount
Front = IP20, NEMA/UL Type Open, Back/Heatsink = IP66, NEMA/UL Type 4X

PowerFlex 753 Flange Mount 380…480V AC, Three-phase Drives

480V AC Input						400V AC Input						Frame Size
Output Amps[1]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[1]			Normal Duty kW	Heavy Duty kW	Cat. No.[2]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
2.1	3.1	3.7	1	1	20F11FD2P1AA0NNNNN	2.1	3.1	3.7	0.75	0.75	20F11FC2P1JA0NNNNN	2
3.4	5.1	6.1	2	2	20F11FD3P4AA0NNNNN	3.5	5.2	6.3	1.5	1.5	20F11FC3P5JA0NNNNN	2
5	7.5	9	3	3	20F11FD5P0AA0NNNNN	5	7.5	9	2.2	2.2	20F11FC5P0JA0NNNNN	2
8	12	14.4	5	5	20F11FD8P0AA0NNNNN	8.7	13	15.6	4	4	20F11FC8P7JA0NNNNN	2
11	16.5	19.8	7.5	7.5	20F11FD011AA0NNNNN	11.5	17.2	20.7	5.5	5.5	20F11FC011JA0NNNNN	2
14 (11)	15.4 (16.5)	21 (21)	10	7.5	20F11FD014AA0NNNNN	15.4 (11.5)	16.9 (17.3)	23.1 (23.1)	7.5	5.5	20F11FC015JA0NNNNN	2
22 (14)	24.2 (21)	33 (33)	15	10	20F11FD022AA0NNNNN	22 (15.4)	24.2 (23.1)	33 (33)	11	7.5	20F11FC022JA0NNNNN	2
27 (22)	29.7 (33)	40.5 (40.5)	20	15	20F11FD027AA0NNNNN	30 (22)	33 (33)	45 (45)	15	11	20F11FC030JA0NNNNN	3
34 (27)	37.4 (40.5)	51 (51)	25	20	20F11FD034AA0NNNNN	37 (30)	40.7 (45)	55.5 (55.5)	18.5	15	20F11FC037JA0NNNNN	3
40 (34)	44 (51)	60 (61.2)	30	25	20F11FD040AA0NNNNN	43 (37)	47.3 (55.5)	64.5 (66.6)	22	18.5	20F11FC043JA0NNNNN	3
52 (40)	57.2 (60)	78 (78)	40	30	20F11FD052AA0NNNNN	60 (43)	66 (66)	90 (90)	30	22	20F11FC060JA0NNNNN	4

PowerFlex 753 Flange Mount 380…480V AC, Three-phase Drives

480V AC Input						400V AC Input						Frame Size
Output Amps[1]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[1]			Normal Duty kW	Heavy Duty kW	Cat. No.[2]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
65 (52)	71.5 (78)	97.5 (97.5)	50	40	20F11FD065AA0NNNNN	72 (60)	79.2 (90)	108 (108)	37	30	20F11FC072JA0NNNNN	4
77 (65)	84.7 (97.5)	116 (117)	60	50	20F11FD077AA0NNNNN	85 (72)	93.5 (108)	128 (130)	45	37	20F11FC085JA0NNNNN	5
96 (77)	106 (116)	144 (144)	75	60	20F11FD096AA0NNNNN	104 (85)	114 (128)	156 (156)	55	45	20F11FC104JA0NNNNN	5

(1) Some drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

(2) The 11th character determines default Filtering and Common Mode Cap jumper configuration. J = Installed, A = Removed.

PowerFlex 753 Flange Mount 600V AC, Three-phase Drives[1]

Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Frame Size
Cont	1 Min	3 Sec				
1.7 (0.9)	1.9 (1.4)	2.6 (2.6)	1	0.5	20F11FE1P7AA0NNNNN	3
2.7 (1.7)	3 (2.6)	4.1 (4.6)	2	1	20F11FE2P7AA0NNNNN	3
3.9 (2.7)	4.3 (4.1)	5.9 (7.3)	3	2	20F11FE3P9AA0NNNNN	3
6.1 (3.9)	6.7 (5.9)	9.2 (10.5)	5	3	20F11FE6P1AA0NNNNN	3
9 (6.1)	9.9 (9.2)	13.5 (16.5)	7.5	5	20F11FE9P0AA0NNNNN	3
11 (9)	12.1 (13.5)	16.5 (24.3)	10	7.5	20F11FE011AA0NNNNN	3
17 (11)	18.7 (16.5)	25.5 (29.7)	15	10	20F11FE017AA0NNNNN	3
22 (17)	24 (26)	33 (46)	20	15	20F11FE022AA0NNNNN	3
27 (22)	30 (33)	41 (59)	25	20	20F11FE027AA0NNNNN	4
32 (27)	35 (41)	48 (73)	30	25	20F11FE032AA0NNNNN	4
41 (32)	45 (48)	62 (86)	40	30	20F11FE041AA0NNNNN	5
52 (41)	57 (62)	78 (111)	50	40	20F11FE052AA0NNNNN	5

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) These drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

IP54, NEMA/UL Type 12

PowerFlex 753 IP54, NEMA/UL Type 12
380…480V AC, Three-phase Drives

480V AC Input						400V AC Input						Frame Size
Output Amps[1]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[1]			Normal Duty kW	Heavy Duty kW	Cat. No.[2]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
2.1	3.1	3.7	1	1	20F11GD2P1AA0NNNNN	2.1	3.1	3.7	0.75	0.75	20F11GC2P1JA0NNNNN	2
3.4	5.1	6.1	2	2	20F11GD3P4AA0NNNNN	3.5	5.2	6.3	1.5	1.5	20F11GC3P5JA0NNNNN	2
5	7.5	9	3	3	20F11GD5P0AA0NNNNN	5	7.5	9	2.2	2.2	20F11GC5P0JA0NNNNN	2
8	12	14.4	5	5	20F11GD8P0AA0NNNNN	8.7	13	15.6	4	4	20F11GC8P7JA0NNNNN	2
11	16.5	19.8	7.5	7.5	20F11GD011AA0NNNNN	11.5	17.2	20.7	5.5	5.5	20F11GC011JA0NNNNN	2
14 (11)	15.4 (16.5)	21 (21)	10	7.5	20F11GD014AA0NNNNN	15.4 (11.5)	16.9 (17.3)	23.1 (23.1)	7.5	5.5	20F11GC015JA0NNNNN	2
22 (14)	24.2 (21)	33 (33)	15	10	20F11GD022AA0NNNNN	22 (15.4)	24.2 (23.1)	33 (33)	11	7.5	20F11GC022JA0NNNNN	2
27 (22)	29.7 (33)	40.5 (40.5)	20	15	20F11GD027AA0NNNNN	30 (22)	33 (33)	45 (45)	15	11	20F11GC030JA0NNNNN	3
34 (27)	37.4 (40.5)	51 (51)	25	20	20F11GD034AA0NNNNN	37 (30)	40.7 (45)	55.5 (55.5)	18.5	15	20F11GC037JA0NNNNN	3
40 (34)	44 (51)	60 (61.2)	30	25	20F11GD040AA0NNNNN	43 (37)	47.3 (55.5)	64.5 (66.6)	22	18.5	20F11GC043JA0NNNNN	3
52 (40)	57.2 (60)	78 (78)	40	30	20F11GD052AA0NNNNN	60 (43)	66 (66)	90 (90)	30	22	20F11GC060JA0NNNNN	4
65 (52)	71.5 (78)	97.5 (97.5)	50	40	20F11GD065AA0NNNNN	72 (60)	79.2 (90)	108 (108)	37	30	20F11GC072JA0NNNNN	5
77 (65)	84.7 (97.5)	116 (117)	60	50	20F11GD077AA0NNNNN	85 (72)	93.5 (108)	128 (130)	45	37	20F11GC085JA0NNNNN	5
96 (77)	106 (116)	144 (144)	75	60	20F1AGD096AN0NNNNN	104 (85)	114 (128)	156 (156)	55	45	20F1AGC104JN0NNNNN	6[3]
125 (96)	138 (144)	188 (188)	100	75	20F1AGD125AN0NNNNN	140 (104)	154 (156)	210 (210)	75	55	20F1AGC140JN0NNNNN	6[3]
156 (125)	172 (188)	234 (234)	125	100	20F1AGD156AN0NNNNN	170 (140)	187 (210)	255 (255)	90	75	20F1AGC170JN0NNNNN	6[3]
186 (156)	205 (234)	279 (281)	150	125	20F1AGD186AN0NNNNN	205 (170)	226 (255)	308 (308)	110	90	20F1AGC205JN0NNNNN	6[3]
248 (186)	273 (279)	372 (372)	200	150	20F1AGD248AN0NNNNN	260 (205)	286 (308)	390 (390)	132	110	20F1AGC260JN0NNNNN	7[3]
302 (248)	332 (372)	453 (453)	250	200	20F1AGD302AN0NNNNN	302 (260)	332 (390)	453 (468)	160	132	20F1AGC302JN0NNNNN	7[3]
361 (302)	397 (453)	542 (544)	300	250	20F1AGD361AN0NNNNN	367 (302)	404 (453)	551 (551)	200	160	20F1AGC367JN0NNNNN	7[3]
415 (361)	457 (542)	623 (650)	350	300	20F1AGD415AN0NNNNN	456 (367)	502 (551)	684 (684)	250	200	20F1AGC456JN0NNNNN	7[3]

(1) Some drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

(2) The 11th character determines default Filtering and Common Mode Cap jumper configuration. J = Installed, A = Removed.

(3) Also available with internal Brake IGBT (20F1xxxxxxx A xxxxxx).

Frames 3, 4, and 5 are 600V-only drives. Frames 6 and 7 are dual voltage drives and can be operated at 600V or 690V AC.
Important: Frames 3, 4, and 5 must NOT be used in common DC input sharing applications with Frame 6 or larger drives. For details, contact your local Rockwell Automation sales office or Allen-Bradley distributor.

DC bus terminals are not supplied with AC input Frame 6 and 7 drives.

PowerFlex 753 IP54, NEMA/UL Type 12 600V AC, Three-phase Drives(1)

Output Amps(2)			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Frame Size
Cont	1 Min	3 Sec				
1.7 (0.9)	1.9 (1.4)	2.6 (2.6)	1	0.5	20F11GE1P7AA0NNNNN	3
2.7 (1.7)	3 (2.6)	4.1 (4.6)	2	1	20F11GE2P7AA0NNNNN	3
3.9 (2.7)	4.3 (4.1)	5.9 (7.3)	3	2	20F11GE3P9AA0NNNNN	3
6.1 (3.9)	6.7 (5.9)	9.2 (10.5)	5	3	20F11GE6P1AA0NNNNN	3
9 (6.1)	9.9 (9.2)	13.5 (16.5)	7.5	5	20F11GE9P0AA0NNNNN	3
11 (9)	12.1 (13.5)	16.5 (24.3)	10	7.5	20F11GE011AA0NNNNN	3
17 (11)	18.7 (16.5)	25.5 (29.7)	15	10	20F11GE017AA0NNNNN	3
22 (17)	24 (26)	33 (46)	20	15	20F11GE022AA0NNNNN	3
27 (22)	30 (33)	41 (59)	25	20	20F11GE027AA0NNNNN	4
32 (27)	35 (41)	48 (73)	30	25	20F11GE032AA0NNNNN	4
41 (32)	45 (48)	62 (86)	40	30	20F11GE041AA0NNNNN	5
52 (41)	57 (62)	78 (111)	50	40	20F11GE052AA0NNNNN	5

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) These drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

PowerFlex 753 IP54, NEMA/UL Type 12 500…690V AC, Three-phase Drives(1)

500…600V AC Input						690V AC Input						Frame Size
Output Amps(2)			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps(2)			Normal Duty kW	Heavy Duty kW	Cat. No.(3)	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
12 (9.1)	13.2 (13.7)	18 (18)	10	7.5	20F1AGE012AN0NNNNN	12 (9)	13.2 (13.5)	18 (18)	7.5	5.5	20F1AGF012JN0NNNNN	6
18 (11.1)	19.8 (16.7)	27 (27)	15	10	20F1AGE018AN0NNNNN	15 (11.5)	16.5 (17.3)	22.5 (22.5)	11	7.5	20F1AGF015JN0NNNNN	6
23 (18)	25.3 (27)	34.5 (34.5)	20	15	20F1AGE023AN0NNNNN	20 (15)	22 (22.5)	30 (30)	15	11	20F1AGF020JN0NNNNN	6
24 (22)	26.4 (33)	36 (39.6)	20	20	20F1AGE024AN0NNNNN	23 (20)	25.3 (30)	34.5 (36)	18.5	15	20F1AGF023JN0NNNNN	6
28 (23)	30.8 (34.5)	42 (42)	25	20	20F1AGE028AN0NNNNN	30 (23)	33 (34.5)	45 (45)	22	18.5	20F1AGF030JN0NNNNN	6
33 (28)	36.3 (42)	49.5 (50.4)	30	25	20F1AGE033AN0NNNNN	34 (30)	37.4 (45)	51 (54)	30	22	20F1AGF034JN0NNNNN	6
42 (33)	46.2 (49.5)	63 (63)	40	30	20F1AGE042AN0NNNNN	46 (34)	50.6 (51)	69 (69)	37	30	20F1AGF046JN0NNNNN	6

PowerFlex 753 IP54, NEMA/UL Type 12 500…690V AC, Three-phase Drives[1]

500…600V AC Input						690V AC Input						Frame Size
Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[2]			Normal Duty kW	Heavy Duty kW	Cat. No.[3]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
53 (42)	58.3 (63)	79.5 (79.5)	50	40	20F1AGE053AN0NNNNN	50 (46)	55 (69)	75 (82.8)	45	37	20F1AGF050JN0NNNNN	6
63 (52)	69.3 (78)	94.5 (94.5)	60	50	20F1AGE063AN0NNNNN	61 (50)	67.1 (75)	91.5 (91.5)	55	45	20F1AGF061JN0NNNNN	6
77 (63)	84.7 (94.5)	116 (116)	75	60	20F1AGE077AN0NNNNN	82 (61)	90.2 (91.5)	123 (123)	75	55	20F1AGF082JN0NNNNN	6
99 (77)	109 (116)	149 (149)	100	75	20F1AGE099AN0NNNNN	98 (82)	108 (123)	147 (148)	90	75	20F1AGF098JN0NNNNN	6
125 (99)	138 (149)	188 (188)	125	100	20F1AGE125AN0NNNNN	119 (98)	131 (147)	179 (179)	110	90	20F1AGF119JN0NNNNN	6
144 (125)	158 (188)	216 (225)	150	125	20F1AGE144AN0NNNNN	142 (119)	156 (179)	213 (214)	132	110	20F1AGF142JN0NNNNN	6
192 (144)	211 (216)	288 (288)	200	150	20F1AGE192AN0NNNNN	171 (142)	188 (213)	257 (257)	160	132	20F1AGF171JN0NNNNN	7
242 (192)	266 (288)	363 (363)	250	200	20F1AGE242AN0NNNNN	212 (171)	233 (257)	318 (318)	200	160	20F1AGF212JN0NNNNN	7
289 (242)	318 (318)	434 (436)	300	250	20F1AGE289AN0NNNNN	263 (212)	289 (289)	395 (395)	250	200	20F1AGF263JN0NNNNN	7

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) These drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

(3) The 11th character determines default Filtering and Common Mode Cap jumper configuration. J = Installed, A = Removed.

PowerFlex 755 AC Drive

The PowerFlex 755 AC drive provides improved functionality across many manufacturing systems. The PowerFlex 755 AC drive is ideal for applications that require safety, high motor control performance, and application flexibility.

For drive selection above 250 kW/ 350 HP, see the PowerFlex Low Voltage Drives Selection Guide, publication PFLEX-SG002.

IP00/IP20, NEMA/UL Type Open

PowerFlex 755 IP00/IP20, NEMA/UL Type Open
380…480V AC, Three-phase Drives

480V AC Input						400V AC Input						Frame Size[1]
Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[2]			Normal Duty kW	Heavy Duty kW	Cat. No.[3]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
2.1	2.3	3.2	1	0.5	20G11RD2P1AA0NNNNN	2.1	2.3	3.2	0.75	0.37	20G11RC2P1JA0NNNNN	1
3.4	3.7	5.1	2	1.5	20G11RD3P4AA0NNNNN	3.5	3.9	5.3	1.5	0.75	20G11RC3P5JA0NNNNN	1
5	5.5	7.5	3	2	20G11RD5P0AA0NNNNN	5	5.5	7.5	2.2	1.5	20G11RC5P0JA0NNNNN	1
8	8.8	12	5	3	20G11RD8P0AA0NNNNN	8.7	9.6	13.1	4	2.2	20G11RC8P7JA0NNNNN	1
11	12.1	16.5	7.5	5	20G11RD011AA0NNNNN	11.5	12.7	17.3	5.5	4	20G11RC011JA0NNNNN	1
14	15.4	21	10	7.5	20G11RD014AA0NNNNN	15.4	16.9	23.1	7.5	5.5	20G11RC015JA0NNNNN	1
2.1	3.1	3.7	1	1	20G11ND2P1AA0NNNNN	2.1	3.1	3.7	0.75	0.75	20G11NC2P1JA0NNNNN	2
3.4	5.1	6.1	2	2	20G11ND3P4AA0NNNNN	3.5	5.2	6.3	1.5	1.5	20G11NC3P5JA0NNNNN	2
5	7.5	9	3	3	20G11ND5P0AA0NNNNN	5	7.5	9	2.2	2.2	20G11NC5P0JA0NNNNN	2
8	12	14.4	5	5	20G11ND8P0AA0NNNNN	8.7	13	15.6	4	4	20G11NC8P7JA0NNNNN	2
11	16.5	19.8	7.5	7.5	20G11ND011AA0NNNNN	11.5	17.2	20.7	5.5	5.5	20G11NC011JA0NNNNN	2
14 (11)	15.4 (16.5)	21 (21)	10	7.5	20G11ND014AA0NNNNN	15.4 (11.5)	16.9 (17.3)	23.1 (23.1)	7.5	5.5	20G11NC015JA0NNNNN	2
22 (14)	24.2 (21)	33 (33)	15	10	20G11ND022AA0NNNNN	22 (15.4)	24.2 (23.1)	33 (33)	11	7.5	20G11NC022JA0NNNNN	2
27 (22)	29.7 (33)	40.5 (40.5)	20	15	20G11ND027AA0NNNNN	30 (22)	33 (33)	45 (45)	15	11	20G11NC030JA0NNNNN	3
34 (27)	37.4 (40.5)	51 (51)	25	20	20G11ND034AA0NNNNN	37 (30)	40.7 (45)	55.5 (55.5)	18.5	15	20G11NC037JA0NNNNN	3
40 (34)	44 (51)	60 (61.2)	30	25	20G11ND040AA0NNNNN	43 (37)	47.3 (55.5)	64.5 (66.6)	22	18.5	20G11NC043JA0NNNNN	3
52 (40)	57.2 (60)	78 (78)	40	30	20G11ND052AA0NNNNN	60 (43)	66 (66)	90 (90)	30	22	20G11NC060JA0NNNNN	4
65 (52)	71.5 (78)	97.5 (97.5)	50	40	20G11ND065AA0NNNNN	72 (60)	79.2 (90)	108 (108)	37	30	20G11NC072JA0NNNNN	4
77 (65)	84.7 (97.5)	116 (117)	60	50	20G11ND077AA0NNNNN	85 (72)	93.5 (108)	128 (130)	45	37	20G11NC085JA0NNNNN	5
96 (77)	106 (116)	144 (144)	75	60	20G11ND096AA0NNNNN	104 (85)	114 (128)	156 (156)	55	45	20G11NC104JA0NNNNN	5

PowerFlex 755 IP00/IP20, NEMA/UL Type Open
380…480V AC, Three-phase Drives

480V AC Input						400V AC Input						Frame Size[1]
Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[2]			Normal Duty kW	Heavy Duty kW	Cat. No.[3]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
125 (96)	138 (144)	188 (188)	100	75	20G1AND125AN0NNNNN	140 (104)	154 (156)	210 (210)	75	55	20G1ANC140JN0NNNNN	6[4]
156 (125)	172 (188)	234 (234)	125	100	20G1AND156AN0NNNNN	170 (140)	187 (210)	255 (255)	90	75	20G1ANC170JN0NNNNN	6[4]
186 (156)	205 (234)	279 (281)	150	125	20G1AND186AN0NNNNN	205 (170)	226 (255)	308 (308)	110	90	20G1ANC205JN0NNNNN	6[4]
248 (186)	273 (279)	372 (372)	200	150	20G1AND248AN0NNNNN	260 (205)	286 (308)	390 (390)	132	110	20G1ANC260JN0NNNNN	6[4]
302 (248)	332 (372)	453 (453)	250	200	20G1AND302AN0NNNNN	302 (260)	332 (390)	453 (468)	160	132	20G1ANC302JN0NNNNN	7[4]
361 (302)	397 (453)	542 (544)	300	250	20G1AND361AN0NNNNN	367 (302)	404 (453)	551 (551)	200	160	20G1ANC367JN0NNNNN	7[4]
415 (361)	457 (542)	623 (650)	350	300	20G1AND415AN0NNNNN	456 (367)	502 (551)	684 (684)	250	200	20G1ANC456JN0NNNNN	7[4]

(1) Frames 2…5 are IP20, Frames 6…7 are IP00.

(2) Some drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

(3) The 11th character determines default Filtering and Common Mode Cap jumper configuration. J = Installed, A = Removed.

(4) Also available with internal Brake IGBT (20G1xxxxxxx A xxxxxx).

Frames 3, 4, and 5 are 600V-only drives. Frames 6 and 7 are dual voltage drives and can be operated at 600V or 690V AC.
Important: Frames 3, 4, and 5 must NOT be used in common DC input sharing applications with Frame 6 or larger drives. For details, contact your local Rockwell Automation sales office or Allen-Bradley distributor.

DC bus terminals are not supplied with AC input Frame 6 and 7 drives.

PowerFlex 755 IP00/IP20, NEMA/UL Type Open 600V AC, Three-phase Drives[1]

Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Frame Size
Cont	1 Min	3 Sec				
1.7 (0.9)	1.9 (1.4)	2.6 (2.6)	1	0.5	20G11NE1P7AA0NNNNN	3
2.7 (1.7)	3 (2.6)	4.1 (4.6)	2	1	20G11NE2P7AA0NNNNN	3
3.9 (2.7)	4.3 (4.1)	5.9 (7.3)	3	2	20G11NE3P9AA0NNNNN	3
6.1 (3.9)	6.7 (5.9)	9.2 (10.5)	5	3	20G11NE6P1AA0NNNNN	3
9 (6.1)	9.9 (9.2)	13.5 (16.5)	7.5	5	20G11NE9P0AA0NNNNN	3
11 (9)	12.1 (13.5)	16.5 (24.3)	10	7.5	20G11NE011AA0NNNNN	3
17 (11)	18.7 (16.5)	25.5 (29.7)	15	10	20G11NE017AA0NNNNN	3
22 (17)	24 (26)	33 (46)	20	15	20G11NE022AA0NNNNN	3
27 (22)	30 (33)	41 (59)	25	20	20G11NE027AA0NNNNN	4
32 (27)	35 (41)	48 (73)	30	25	20G11NE032AA0NNNNN	4
41 (32)	45 (48)	62 (86)	40	30	20G11NE041AA0NNNNN	5
52 (41)	57 (62)	78 (111)	50	40	20G11NE052AA0NNNNN	5

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) These drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

PowerFlex 755 IP00/IP20, NEMA/UL Type Open 500…690V AC, Three-phase Drives[1]

500…600V AC Input						690V AC Input						Frame Size
Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[2]			Normal Duty kW	Heavy Duty kW	Cat. No.[3]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
12 (9.1)	13.2 (13.7)	18 (18)	10	7.5	20G1ANE012AN0NNNN	12 (9)	13.2 (13.5)	18 (18)	7.5	5.5	20G1ANF012JN0NNNN	6
18 (11.1)	19.8 (16.7)	27 (27)	15	10	20G1ANE018AN0NNNNN	15 (11.5)	16.5 (17.3)	22.5 (22.5)	11	7.5	20G1ANF015JN0NNNNN	6
23 (18)	25.3 (27)	34.5 (34.5)	20	15	20G1ANE023AN0NNNNN	20 (15)	22 (22.5)	30 (30)	15	11	20G1ANF020JN0NNNNN	6
24 (22)	26.4 (33)	36 (39.6)	20	20	20G1ANE024AN0NNNNN	23 (20)	25.3 (30)	34.5 (36)	18.5	15	20G1ANF023JN0NNNNN	6
28 (23)	30.8 (34.5)	42 (42)	25	20	20G1ANE028AN0NNNNN	30 (23)	33 (34.5)	45 (45)	22	18.5	20G1ANF030JN0NNNNN	6
33 (28)	36.3 (42)	49.5 (50.4)	30	25	20G1ANE033AN0NNNNN	34 (30)	37.4 (45)	51 (54)	30	22	20G1ANF034JN0NNNNN	6
42 (33)	46.2 (49.5)	63 (63)	40	30	20G1ANE042AN0NNNNN	46 (34)	50.6 (51)	69 (69)	37	30	20G1ANF046JN0NNNNN	6
53 (42)	58.3 (63)	79.5 (79.5)	50	40	20G1ANE053AN0NNNNN	50 (46)	55 (69)	75 (82.8)	45	37	20G1ANF050JN0NNNNN	6
63 (52)	69.3 (78)	94.5 (94.5)	60	50	20G1ANE063AN0NNNNN	61 (50)	67.1 (75)	91.5 (91.5)	55	45	20G1ANF061JN0NNNNN	6
77 (63)	84.7 (94.5)	116 (116)	75	60	20G1ANE077AN0NNNNN	82 (61)	90.2 (91.5)	123 (123)	75	55	20G1ANF082JN0NNNNN	6

PowerFlex 755 IP00/IP20, NEMA/UL Type Open 500…690V AC, Three-phase Drives[1]

500…600V AC Input						690V AC Input						Frame Size
Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[2]			Normal Duty kW	Heavy Duty kW	Cat. No.[3]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
99 (77)	109 (116)	149 (149)	100	75	20G1ANE099AN0NNNNN	98 (82)	108 (123)	147 (148)	90	75	20G1ANF098JN0NNNNN	6
125 (99)	138 (149)	188 (188)	125	100	20G1ANE125AN0NNNNN	119 (98)	131 (147)	179 (179)	110	90	20G1ANF119JN0NNNNN	6
144 (125)	158 (188)	216 (225)	150	125	20G1ANE144AN0NNNNN	142 (119)	156 (179)	213 (214)	132	110	20G1ANF142JN0NNNNN	6
192 (144)	211 (216)	288 (288)	200	150	20G1ANE192AN0NNNNN	171 (142)	188 (213)	257 (257)	160	132	20G1ANF171JN0NNNNN	7
242 (192)	266 (288)	363 (363)	250	200	20G1ANE242AN0NNNNN	212 (171)	233 (257)	318 (318)	200	160	20G1ANF212JN0NNNNN	7
289 (242)	318 (318)	434 (436)	300	250	20G1ANE289AN0NNNNN	263 (212)	289 (289)	395 (395)	250	200	20G1ANF263JN0NNNNN	7

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) These drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

(3) The 11th character determines default Filtering and Common Mode Cap jumper configuration. J = Installed, A = Removed.

Flange Mount
Front = IP20, NEMA/UL Type Open, Back/Heatsink = IP66, NEMA/UL Type 4X

PowerFlex 755 Flange Mount 380…480V AC, Three-phase Drives

480V AC Input						400V AC Input						Frame Size
Output Amps[1]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[1]			Normal Duty kW	Heavy Duty kW	Cat. No.[2]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
2.1	3.1	3.7	1	1	20G11FD2P1AA0NNNNN	2.1	3.1	3.7	0.75	0.75	20G11FC2P1JA0NNNNN	2
3.4	5.1	6.1	2	2	20G11FD3P4AA0NNNNN	3.5	5.2	6.3	1.5	1.5	20G11FC3P5JA0NNNNN	2
5	7.5	9	3	3	20G11FD5P0AA0NNNNN	5	7.5	9	2.2	2.2	20G11FC5P0JA0NNNNN	2
8	12	14.4	5	5	20G11FD8P0AA0NNNNN	8.7	13	15.6	4	4	20G11FC8P7JA0NNNNN	2
11	16.5	19.8	7.5	7.5	20G11FD011AA0NNNNN	11.5	17.2	20.7	5.5	5.5	20G11FC011JA0NNNNN	2
14 (11)	15.4 (16.5)	21 (21)	10	7.5	20G11FD014AA0NNNNN	15.4 (11.5)	16.9 (17.3)	23.1 (23.1)	7.5	5.5	20G11FC015JA0NNNNN	2
22 (14)	24.2 (21)	33 (33)	15	10	20G11FD022AA0NNNNN	22 (15.4)	24.2 (23.1)	33 (33)	11	7.5	20G11FC022JA0NNNNN	2
27 (22)	29.7 (33)	40.5 (40.5)	20	15	20G11FD027AA0NNNNN	30 (22)	33 (33)	45 (45)	15	11	20G11FC030JA0NNNNN	3
34 (27)	37.4 (40.5)	51 (51)	25	20	20G11FD034AA0NNNNN	37 (30)	40.7 (45)	55.5 (55.5)	18.5	15	20G11FC037JA0NNNNN	3
40 (34)	44 (51)	60 (61.2)	30	25	20G11FD040AA0NNNNN	43 (37)	47.3 (55.5)	64.5 (66.6)	22	18.5	20G11FC043JA0NNNNN	3

PowerFlex 755 Flange Mount 380…480V AC, Three-phase Drives

480V AC Input						400V AC Input						Frame Size
Output Amps[1]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[1]			Normal Duty kW	Heavy Duty kW	Cat. No.[2]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
52 (40)	57.2 (60)	78 (78)	40	30	20G11FD052AA0NNNNN	60 (43)	66 (66)	90 (90)	30	22	20G11FC060JA0NNNNN	4
65 (52)	71.5 (78)	97.5 (97.5)	50	40	20G11FD065AA0NNNNN	72 (60)	79.2 (90)	108 (108)	37	30	20G11FC072JA0NNNNN	4
77 (65)	84.7 (97.5)	116 (117)	60	50	20G11FD077AA0NNNNN	85 (72)	93.5 (108)	128 (130)	45	37	20G11FC085JA0NNNNN	5
96 (77)	106 (116)	144 (144)	75	60	20G11FD096AA0NNNNN	104 (85)	114 (128)	156 (156)	55	45	20G11FC104JA0NNNNN	5

(1) Some drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

(2) The 11th character determines default Filtering and Common Mode Cap jumper configuration. J = Installed, A = Removed.

PowerFlex 755 Flange Mount 600V AC, Three-phase Drives[1]

Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Frame Size
Cont	1 Min	3 Sec				
1.7 (0.9)	1.9 (1.4)	2.6 (2.6)	1	0.5	20G11FE1P7AA0NNNNN	3
2.7 (1.7)	3.0 (2.6)	4.1 (4.6)	2	1	20G11FE2P7AA0NNNNN	3
3.9 (2.7)	4.3 (4.1)	5.9 (7.3)	3	2	20G11FE3P9AA0NNNNN	3
6.1 (3.9)	6.7 (5.9)	9.2 (10.5)	5	3	20G11FE6P1AA0NNNNN	3
9 (6.1)	9.9 (9.2)	13.5 (16.5)	7.5	5	20G11FE9P0AA0NNNNN	3
11 (9)	12.1 (13.5)	16.5 (24.3)	10	7.5	20G11FE011AA0NNNNN	3
17 (11)	18.7 (16.5)	25.5 (29.7)	15	10	20G11FE017AA0NNNNN	3
22 (17)	24 (26)	33 (46)	20	15	20G11FE022AA0NNNNN	3
27 (22)	30 (33)	41 (59)	25	20	20G11FE027AA0NNNNN	4
32 (27)	35 (41)	48 (73)	30	25	20G11FE032AA0NNNNN	4
41 (32)	45 (48)	62 (86)	40	30	20G11FE041AA0NNNNN	5
52 (41)	57 (62)	78 (111)	50	40	20G11FE052AA0NNNNN	5

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) These drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

IP54, NEMA/UL Type 12

PowerFlex 755 IP54 NEMA/UL Type 12
380…480V AC, Three-phase Drives

480V AC Input						400V AC Input						Frame Size
Output Amps[1]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[1]			Normal Duty kW	Heavy Duty kW	Cat. No.[2]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
2.1	3.1	3.7	1	1	20G11GD2P1AA0NNNNN	2.1	3.1	3.7	0.75	0.75	20G11GC2P1JA0NNNNN	2
3.4	5.1	6.1	2	2	20G11GD3P4AA0NNNNN	3.5	5.2	6.3	1.5	1.5	20G11GC3P5JA0NNNNN	2
5	7.5	9	3	3	20G11GD5P0AA0NNNNN	5	7.5	9	2.2	2.2	20G11GC5P0JA0NNNN	2
8	12	14.4	5	5	20G11GD8P0AA0NNNNN	8.7	13	15.6	4	4	20G11GC8P7JA0NNNNN	2
11	16.5	19.8	7.5	7.5	20G11GD011AA0NNNNN	11.5	17.2	20.7	5.5	5.5	20G11GC011JA0NNNNN	2
14 (11)	15.4 (16.5)	21 (21)	10	7.5	20G11GD014AA0NNNNN	15.4 (11.5)	16.9 (17.3)	23.1 (23.1)	7.5	5.5	20G11GC015JA0NNNNN	2
22 (14)	24.2 (21)	33 (33)	15	10	20G11GD022AA0NNNNN	22 (15.4)	24.2 (23.1)	33 (33)	11	7.5	20G11GC022JA0NNNNN	2
27 (22)	29.7 (33)	40.5 (40.5)	20	15	20G11GD027AA0NNNNN	30 (22)	33 (33)	45 (45)	15	11	20G11GC030JA0NNNNN	3
34 (27)	37.4 (40.5)	51 (51)	25	20	20G11GD034AA0NNNNN	37 (30)	40.7 (45)	55.5 (55.5)	18.5	15	20G11GC037JA0NNNNN	3
40 (34)	44 (51)	60 (61.2)	30	25	20G11GD040AA0NNNNN	43 (37)	47.3 (55.5)	64.5 (66.6)	22	18.5	20G11GC043JA0NNNNN	3
52 (40)	57.2 (60)	78 (78)	40	30	20G11GD052AA0NNNNN	60 (43)	66 (66)	90 (90)	30	22	20G11GC060JA0NNNNN	4
65 (52)	71.5 (78)	97.5 (97.5)	50	40	20G11GD065AA0NNNNN	72 (60)	79.2 (90)	108 (108)	37	30	20G11GC072JA0NNNNN	5
77 (65)	84.7 (97.5)	116 (117)	60	50	20G11GD077AA0NNNNN	85 (72)	93.5 (108)	128 (130)	45	37	20G11GC085JA0NNNNN	5
96 (77)	106 (116)	144 (144)	75	60	20G1AGD096AN0NNNNN	104 (85)	114 (128)	156 (156)	55	45	20G1AGC104JN0NNNNN	6[3]
125 (96)	138 (144)	188 (188)	100	75	20G1AGD125AN0NNNNN	140 (104)	154 (156)	210 (210)	75	55	20G1AGC140JN0NNNNN	6[3]
156 (125)	172 (188)	234 (234)	125	100	20G1AGD156AN0NNNNN	170 (140)	187 (210)	255 (255)	90	75	20G1AGC170JN0NNNNN	6[3]
186 (156)	205 (234)	279 (281)	150	125	20G1AGD186AN0NNNNN	205 (170)	226 (255)	308 (308)	110	90	20G1AGC205JN0NNNNN	6[3]
248 (186)	272.8 (279)	372 (372)	200	150	20G1AGD248AN0NNNNN	260 (205)	286 (307.5)	390 (390)	132	110	20G1AGC260JN0NNNNN	7[3]
302 (248)	332 (372)	453 (453)	250	200	20G1AGD302AN0NNNNN	302 (260)	332 (390)	453 (468)	160	132	20G1AGC302JN0NNNNN	7[3]
361 (302)	397 (453)	542 (544)	300	250	20G1AGD361AN0NNNNN	367 (302)	404 (453)	551 (551)	200	160	20G1AGC367JN0NNNNN	7[3]
415 (361)	457 (542)	623 (650)	350	300	20G1AGD415AN0NNNNN	456 (367)	502 (551)	684 (684)	250	200	20G1AGC456JN0NNNNN	7[3]

(1) Some drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

(2) The 11th character determines default Filtering and Common Mode Cap jumper configuration. J = Installed, A = Removed.

(3) Also available with internal Brake IGBT (20G1xxxxxxx A xxxxxx).

Frames 3, 4, and 5 are 600V-only drives. Frames 6 and 7 are dual voltage drives and can be operated at 600V or 690V AC.
Important: Frames 3, 4, and 5 must NOT be used in common DC input-sharing applications with Frame 6 or larger drives. For details, contact your local Rockwell Automation sales office or Allen-Bradley distributor.

DC bus terminals are not supplied with AC input Frame 6 and 7 drives.

PowerFlex 755 IP54 NEMA/UL Type 12 600V AC, Three-phase Drives[1]

Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Frame Size
Cont	1 Min	3 Sec				
1.7 (0.9)	1.9 (1.4)	2.6 (2.6)	1	0.5	20G11GE1P7AA0NNNNN	3
2.7 (1.7)	3 (2.6)	4.1 (4.6)	2	1	20G11GE2P7AA0NNNNN	3
3.9 (2.7)	4.3 (4.1)	5.9 (7.3)	3	2	20G11GE3P9AA0NNNNN	3
6.1 (3.9)	6.7 (5.9)	9.2 (10.5)	5	3	20G11GE6P1AA0NNNNN	3
9 (6.1)	9.9 (9.2)	13.5 (16.5)	7.5	5	20G11GE9P0AA0NNNNN	3
11 (9)	12.1 (13.5)	16.5 (24.3)	10	7.5	20G11GE011AA0NNNNN	3
17 (11)	18.7 (16.5)	25.5 (29.7)	15	10	20G11GE017AA0NNNNN	3
22 (17)	24 (26)	33 (46)	20	15	20G11GE022AA0NNNNN	3
27 (22)	30 (33)	41 (59)	25	20	20G11GE027AA0NNNNN	4
32 (27)	35 (41)	48 (73)	30	25	20G11GE032AA0NNNNN	4
41 (32)	45 (48)	62 (86)	40	30	20G11GE041AA0NNNNN	5
52 (41	57 (62)	78 (111)	50	40	20G11GE052AA0NNNNN	5

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) These drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

PowerFlex 755 IP54 NEMA/UL Type 12 500…690V AC, Three-phase Drives[1]

500…600V AC Input						690V AC Input						Frame Size
Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[2]			Normal Duty kW	Heavy Duty kW	Cat. No.[3]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
12 (9.1)	13.2 (13.7)	18 (18)	10	7.5	20G1AGE012ANONNNNN	12 (9)	13.2 (13.5)	18 (18)	7.5	5.5	20G1AGF012JNONNNNN	6
18 (11.1)	19.8 (16.7)	27 (27)	15	10	20G1AGE018ANONNNNN	15 (11.5)	16.5 (17.3)	22.5 (22.5)	11	7.5	20G1AGF015JNONNNNN	6
23 (18)	25.3 (27)	34.5 (34.5)	20	15	20G1AGE023ANONNNNN	20 (15)	22 (22.5)	30 (30)	15	11	20G1AGF020JNONNNNN	6
24 (22)	26.4 (33)	36 (39.6)	20	20	20G1AGE024ANONNNNN	23 (20)	25.3 (30)	34.5 (36)	18.5	15	20G1AGF023JNONNNNN	6
28 (23)	30.8 (34.5)	42 (42)	25	20	20G1AGE028ANONNNNN	30 (23)	33 (34.5)	45 (45)	22	18.5	20G1AGF030JNONNNNN	6
33 (28)	36.3 (42)	49.5 (50.4)	30	25	20G1AGE033ANONNNNN	34 (30)	37.4 (45)	51 (54)	30	22	20G1AGF034JNONNNNN	6
42 (33)	46.2 (49.5)	63 (63)	40	30	20G1AGE042ANONNNNN	46 (34)	50.6 (51)	69 (69)	37	30	20G1AGF046JNONNNNN	6

PowerFlex 755 IP54 NEMA/UL Type 12 500…690V AC, Three-phase Drives[1]

500…600V AC Input						690V AC Input						Frame Size
Output Amps[2]			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps[2]			Normal Duty kW	Heavy Duty kW	Cat. No.[3]	
Cont	1 Min	3 Sec				Cont	1 Min	3 Sec				
53 (42)	58.3 (63)	79.5 (79.5)	50	40	20G1AGE053AN0NNNNN	50 (46)	55 (69)	75 (82.8)	45	37	20G1AGF050JN0NNNNN	6
63 (52)	69.3 (78)	94.5 (94.5)	60	50	20G1AGE063AN0NNNNN	61 (50)	67.1 (75)	91.5 (91.5)	55	45	20G1AGF061JN0NNNNN	6
77 (63)	84.7 (94.5)	116 (116)	75	60	20G1AGE077AN0NNNNN	82 (61)	90.2 (91.5)	123 (123)	75	55	20G1AGF082JN0NNNNN	6
99 (77)	109 (116)	149 (149)	100	75	20G1AGE099AN0NNNNN	98 (82)	108 (123)	147 (148)	90	75	20G1AGF098JN0NNNNN	6
125 (99)	138 (149)	188 (188)	125	100	20G1AGE125AN0NNNNN	119 (98)	131 (147)	179 (179)	110	90	20G1AGF119JN0NNNNN	6
144 (125)	158 (188)	216 (225)	150	125	20G1AGE144AN0NNNNN	142 (119)	156 (179)	213 (214)	132	110	20G1AGF142JN0NNNNN	6
192 (144)	211 (216)	288 (288)	200	150	20G1AGE192AN0NNNNN	171 (142)	188 (213)	257 (257)	160	132	20G1AGF171JN0NNNNN	7
242 (192)	266 (288)	363 (363)	250	200	20G1AGE242AN0NNNNN	212 (171)	233 (257)	318 (318)	200	160	20G1AGF212JN0NNNNN	7
289 (242)	318 (318)	434 (436)	300	250	20G1AGE289AN0NNNNN	263 (212)	289 (289)	395 (395)	250	200	20G1AGF263JN0NNNNN	7

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) These drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

(3) The 11th character determines default Filtering and Common Mode Cap jumper configuration. J = Installed, A = Removed.

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