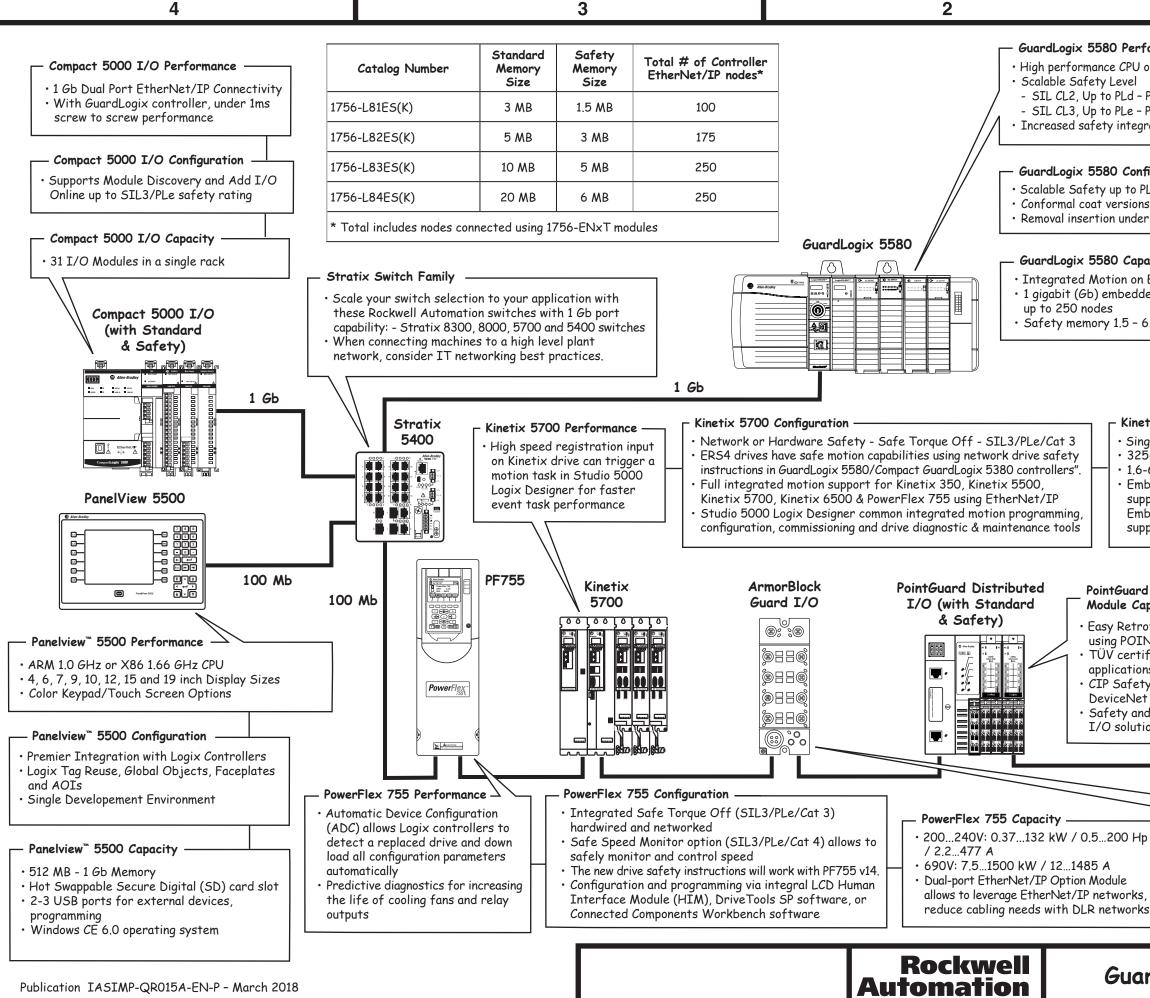
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primance ptimized for faster safety reaction time Primary Controller	
Primary Controller + Safety Partner ation and enhanced security features iguration Ld or up to PLe with safety partner power heity EtherNet/IP TM up to 256 axes	в
.0 MB	
rix 5700 Capacity le or Dual Axis Modules -528VAC 60kW bedded 2 Port EtherNet/IP borts Linear/Ring topologies bedded 2 Port EtherNet/IP borts Linear/Ring topologies	$\left \right $
Distributed I/O fit Add to existing panels NT I/O fied- For use in safety s up to SIL3, PLe and CAT 4 v over EtherNet/IP or automation control in one on	
 ArmorBlock Guard I/O Module Capacity Provides PLd-rated, single channel safety inputs and PLe-rated, dual channel, safety inputs; safety outputs rated up to PLe Available in bipolar and sourcing safety output configurations Includes dual Ethernet ports for Linear and Device Level Ring topologies 	A

GuardLogix 5580 with Star/Linear

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Bill of Material

Q	ty Catalog #	Description
	System	: Controller Hardware
1	1756-L84ES	GUARDLOGIX 5580 PROCESSOR WITH
		20 MB STANDARD MEMORY, 6 MB
		SAFETY MEMORY
1	1756-A7	7-SLOT CONTROLLOGIX CHASSIS
1	1756-PA50	85-265 VAC SLIM POWER SUPPLY
		(8A @ 5V DC)
	System:	Communication Hardware
1	•	STRATIX 5400 SWITCH
		8FE, 4GE PORTS
1	1756-EN2T(R)	1 or 2-PORT CLX HI-CAP ETHERNET/IP
	٨	Notion Hardware
1	2198-P031	KINETIX 5700 DC BUS SUPPLY 10A
2	2198-D006-ER54	KINETIX 5700, 2x2.5A DUAL AXIS
		INVERTER ADVANCED SAFETY(ETHERNET)
2	VPL-A1002A-CJ12AS	KINETIX VP LOW INERTIA MOTOR,
		IEC 100mm FRAME SIZE,
		1500 RPM RATED SPEED
		One cable between VPL Motor and Kinetix
		ation and reduces costs. One cable for
<u>тее</u> 1	dback, motor brake, an	•
1	2090-CSBMIDE-147	AA01 SINGLE CABLE FOR
No	ta: Catalog numbers co	KINETIX 5700, 1 METER nsist of characters, each of which
		on or option for that component. Reference
		N-E Kinetix Motion Control Selection Guide
for	additional information	
		Drive Hardware
1	20G11BC1K0AN0NN	NNN POWERFLEX 755 AC DRIVE,

200 HP FRAME 1 20-750-S3 POWERFLEX 755 INTEGRATED SAFETY -SAFE TORQUE OFF OPTION MODULE

Note: PowerFlex drives come in many variations - before ordering, you will need to identify voltage rating, horsepower, enclosure type. Please refer to the PowerFlex Selection Guide (PFLEX-SG002-EN-P) for additional details on selecting the right drive for you application.

Distributed I/O Hardware - Compact 5000 I/O 1 5069-AENTR ETHERNET/IP ADAPTER 1 5069-TB85 8 POTNIT 24 VDC TNPUT SAFETV

1	2009-1802	
		MODULE
1	5069-OBV85	8 POINT 24VDC SOURCING/BIPOLAR
		OUTPUT SAFETY MODULE

Distributed I/O Hardware - POINT GUARD I/O

1 1734-AENTR	1734 DUAL PORT ETHERNET IP ADAPTER
1 1734-IB85	24V DC 8 POINT INPUT SAFETY MODULE
1 1734-OB85	24V DC 8 POINT SOURCING OUTPUT
	SAFETY MODULE
4 1734-TB	MODULE BASE W/REMOVABLE
	IEC SCREW TERMINALS
1 1794-PS13	85-264V AC TO 24V DC 1.3A
	POWER SUPPLY

Distributed I/O Hardware - OTHER 1 1732ES-IB16 24V DC 16 INPUT/ETHERNET/IP SAFETY

	HMI Hardware
1 2715-B10CD	PANELVIEW PLUS 5500 10" COLOR
	TOUCH TERMINAL, ETHERNET

Recommended Software

1 9324-RLD300ENE STUDIO 5000 LOGIX DESIGNER **V 31 STANDARD EDITION** Note: ControlLogix Controllers can also be programmed when using Studio 5000 Logix Designer Standard, Full, or Pro.

About this Configuration

GuardLogix 5580 Safety controller is first in scalable Safety Performance Levels (PLs) and Safety Integrity Levels (SILs) for machine safety. The risk assessment is the key to defining the safety requirements The controller has Integrated safety and offers reduced system complexity and hardware cost savings. GuardLogix 5580 will also support existing safety I/O, new Compact 5000 safety I/O and distributed I/O. The combination of the high performance controller and the new high performance I/O, faster screw to screw times will allow for faster safety reaction times

About the Products

Logix Controllers

- A common set of controls, networks, and programming software available in multiple hardware platforms
- Multiple control disciplines in a single controller sequential / motion / drives / process
- Multiple Program Languages available in all controllers Ladder Diagram, Function Block, Structured Text, and Seguential Function Chart
- For GuardLogix controller, only ladder diagram is available for 'safety task'
- Tag-based architecture instead of addresses native in the controller

Compact 5000 I/O

- A new generation of Compact I/O
- High performance control in a compact design
- Scan time improvements as much as 10x
- Mixture of Standard and Safety I/O available

PanelView 5500

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

PowerFlex Drives

- Serves applications ranging from 0.2 kW (0.25 hp) to 6,770 kW (9,000 hp).
- · Common set of networks, operator interface and programming for all PowerFlex drives

Kinetix Servos

- Scalable solution for applications from 100W to 112KW
- Integrated platform to simplify machine design and commissioning

POINT Guard I/O

- Fits into the standard POINT I/O[™] system

ArmorBlock Guard I/O

- Used only with GuardLogix®, Compact GuardLogix, and Armor™ GuardLogix, configurable with a module-specific profile in Studio 5000 Logix Designer® software
- rated up to PLe
- · Available in bipolar and sourcing safety output configurations
- Includes dual Ethernet ports for Linear and Device Level Ring topologies

Stratix Switches and Network Infrastructure

- Diagnostic Information, Segmentation Services(VLANs), Prioritization Services(QoS), and Multicast Management Services.
- Stratix 5400/5700 with NAT option, depending on your application requirements.

For More Information and Help

For more information contact your local distributor or Rockwell Automation sales representative. • www.ab.com (Product Directory, Publication Library, Technical Support)

· Communication Options - Ethernet/IP, ControlNet, Devicenet, DH Plus, RIO, 3rd party networks • Hundreds of pieces of status and diagnostic information are shared with Logix controllers directly

Smart Motor Technology to provide automatic identification of correct motor-to-drive connectivity

• Communicates by using the CIP[™] Safety protocol over EtherNet/IP[™] for GuardLogix[™] controllers • For EtherNet/IP connectivity, use a POINT I/O EtherNet/IP adapter (1734-AENT, 1734-AENTR) • 1734 POINT Guard I/O™ system, Supports 24V DC I/O circuits and Includes analog input circuits

• Provides PLd-rated, single channel safety inputs and PLe-rated, dual channel, safety inputs; safety outputs

Stratix 5400, 5700, 8000 and 8300 Managed switches offer Loop Prevention, Security Services,

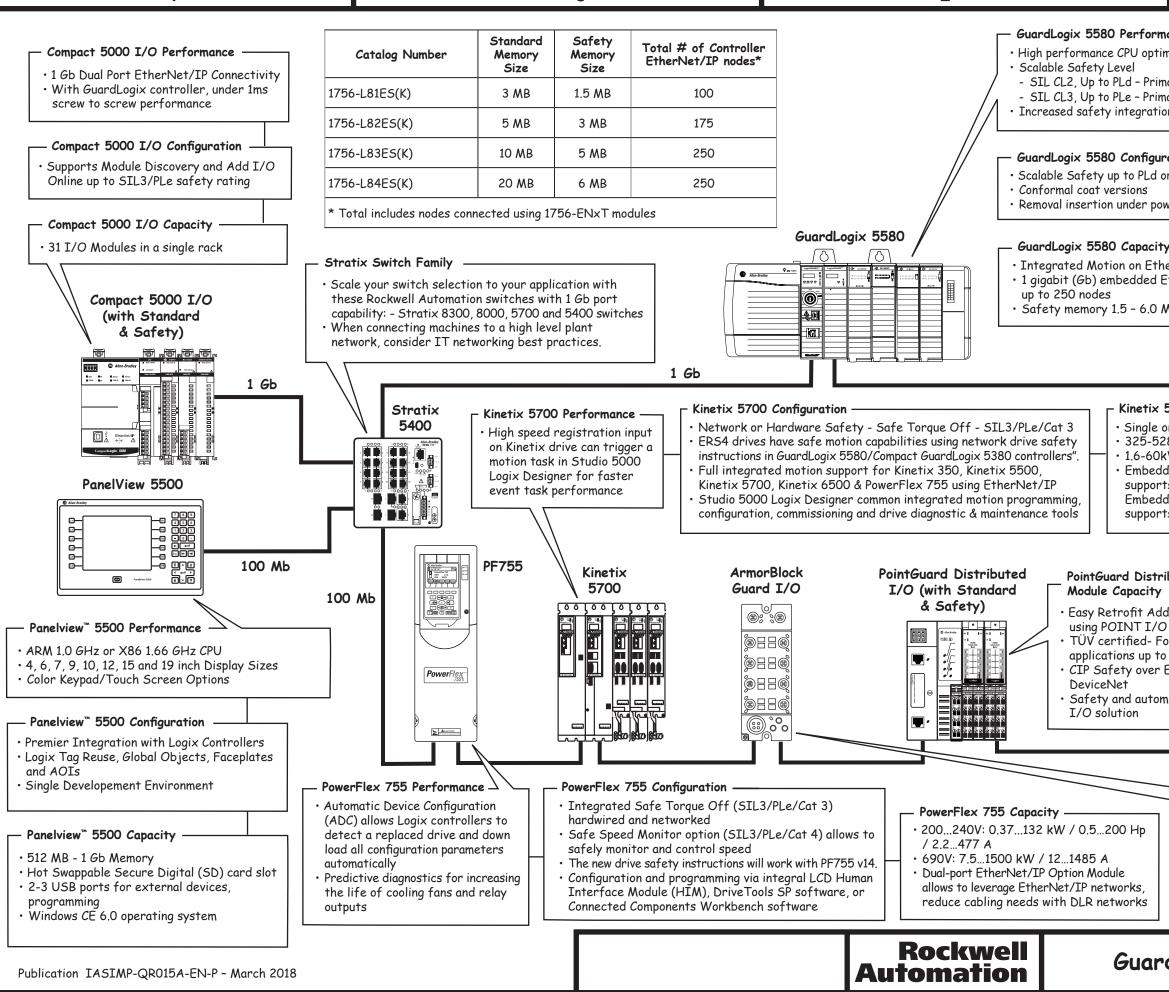
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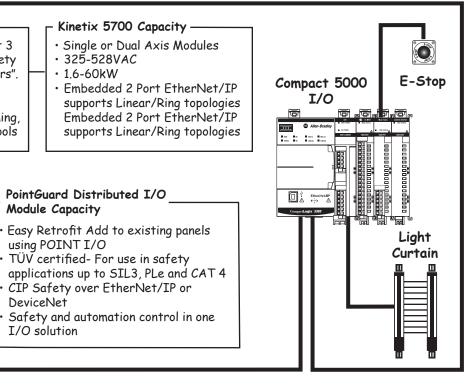
prmance ptimized for faster so	afety reaction time	
Primary Controller Primary Controller + Safety Partner ation and enhanced security features		
guration d or up to PLe with so power	afety partner	
city EtherNet/IP™ up to 256 axes ad Ethernet port enables high-speed I/O and motion control for 0 MB		

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ArmorBlock Guard I/O Module Capacity -

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Single-Cab	le Technology -	One cable between VPL Motor and Kinetix
		cation and reduces costs. One cable for
feedback,	motor brake, an	nd motor power.
1 2090	-CSBM1DE-14	AA01 SINGLE CABLE FOR
		KINETIX 5700, 1 METER
		nsist of characters, each of which
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	Distributed I/(D Hardware - Compact 5000 I/O
1	5069-AENTR	ETHERNET/IP ADAPTER
1	5069-IB8S	8 POINT 24 VDC INPUT SAFETY
		MODULE
1	5069-OBV85	8 POINT 24VDC SOURCING/BIPOLAR
		OUTPUT SAFETY MODULE

	Distributed I/O Hardware - POINT GUARD I/O		
1	1734-AENTR	1734 DUAL PORT ETHERNET IP ADAPTER	
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1	1734-OB85	24V DC 8 POINT SOURCING OUTPUT	
		SAFETY MODULE	
4	1734-TB	MODULE BASE W/REMOVABLE	
		IEC SCREW TERMINALS	
1	1794-P513	85-264V AC TO 24V DC 1.3A	
		POWER SUPPLY	

Distributed I/O Hardware - OTHER 1 1732ES-IB16 24V DC 16 INPUT/ETHERNET/IP SAFETY

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