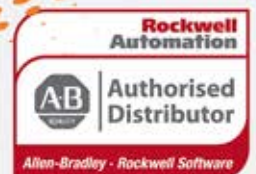


ControlLogix™ Controllers



One stop solution for industrial
products and services





ControlLogix 5580 Controller

- Integrated motion on EtherNet/IP up to 256 axes
- 1 gigabit (Gb) embedded Ethernet port enables high-speed I/O and motion control for up to 300 nodes (in non-redundant options)
- Conformal coat, extreme environment, no stored energy (NSE) and redundant versions available
- Removal insertion under power
- Enhanced security features



ControlLogix 5570 Controller

- Integrated motion on EtherNet/IP up to 100 axes
- Integrated safety up to SIL 3, PLe category four versions
- On-Machine™ versions
- Conformal coat and extreme environment versions
- Redundancy and removal insertion under power



Multiple Disciplines



Flexible and Scalable



One Common Design Environment



High Performance

- One gigabit (Gb) embedded EtherNet/IP port (non-redundant options)
- High-speed communication, I/O and motion
- Decreased scan times for runtime performance
- Core programming languages executed with the same performance
- Screw-to-screw performance increased with 5069 Compact I/O™ system
- One Gb communications with controller and distributed I/O



Increased Capacity

- 45% increased application capacity; allows for application expansion
- Supports upto 256 axes of motion; reduces the need for multiple controllers in complex applications
- Supports an increasing number of smart devices (up to 300 EtherNet/IP nodes)



Enhances Security

- Digitally signed and encrypted firmware helps protect against malicious intent
- Controller-bases change detection provides added security
- Mode change switch adds a physical layer for security
- Certified compliant with the IEC 62443-4-2 security standard
- Three-position keyswitch provides mode selection and added security
- Role-based access control to routines and Add-On instructions



1. Power Supply
2. Processor
3. Network Card
4. Ethernet
5. Rack
6. USB
7. Module Slot
8. Program Selection Switch

Hardware Features



Onboard display

Enhances diagnostics and troubleshooting

USB port

Eases programming, troubleshooting and firmware updates

Integrated energy storage

No battery required

Secure digital card

Ships with two GB storage card and provides optional storage for firmware, user program and tag data

Conformal coating

Helps protect in harsh environments

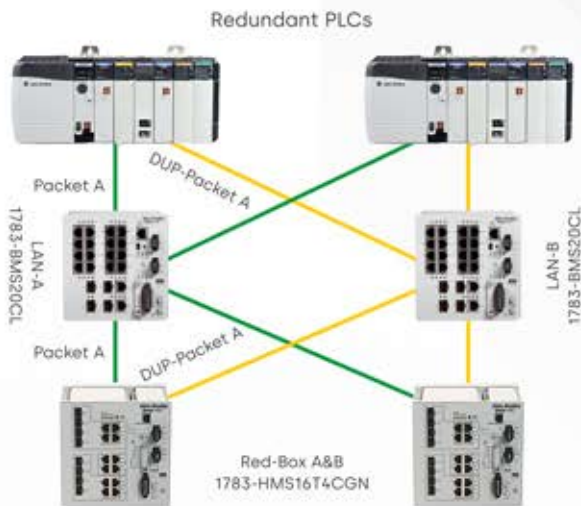


Supports up to 256 drives in a controller, which increases performance for high axis machines.

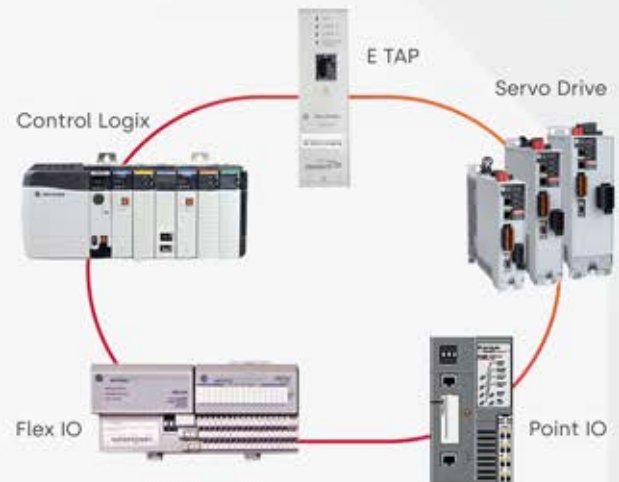
Three configurable coarse update rates enhance machine performance.

Advanced tuning with load observer and tracking notch filter helps eliminate the need to tune each axis and adapts to changing frequencies over time.

PRP Network Architecture (Fault Tolerant)



Device - Level Ring (DLR)



Control Logix

5570/1756	Internal Memory	Ethernet IP Support	Modbus TCP/IO Support	Thrit Part Protocol Support via Gateways	Redundancy (Hot Standby)	Embedded Port	Plant PAX DCS Support V 5.0	CIP Connection (Common Industrial Protocol)	Motion Capable With EN2TR Axes Number	Motion Capable With EN3TR Axes Number	Motion Capable With EN4TR Axes Number
L71	2 MB	✓	✓	✓	✓	USB	✗	500	8	128	256
L72	4 MB	✓	✓	✓	✓	USB	✗	500	8	128	256
L73	8 MB	✓	✓	✓	✓	USB	✗	500	8	128	256
L74	16 MB	✓	✓	✓	✓	USB	✗	500	8	128	256
L75	32 MB	✓	✓	✓	✓	USB	✗	500	8	128	256

5580/1756	Internal Memory	Ethernet IP Support	Modbus TCP/IO Support	Thrit Part Protocol Support	Redundancy (Hot Standby) Hot Backup or Soft Redundancy	Embedded Port	Plant PAX DCS Support	CIP Connection (Common Industrial Protocol)	Motion Capable With EN2TR Axes Number	Motion Capable With EN3TR Axes Number	Motion Capable With EN4TR Axes Number
L81E	3 MB	✓	✓	✓	✓	USB/Ethernet	✓	100	8	128	256
L82E	5 MB	✓	✓	✓	✓	USB/Ethernet	✓	175	8	128	256
L83E	10 MB	✓	✓	✓	✓	USB/Ethernet	✓	250	8	128	256
L84E	20 MB	✓	✓	✓	✓	USB/Ethernet	✓	250	8	128	256
L85E	40 MB	✓	✓	✓	✓	USB/Ethernet	✓	300	8	128	256

Third Part Protocol: Profibus / Profinet / IEC 61850 / Modbus RTU, ASCII, etc

CIP: Each device will consume few CIP connections depends on the application

Note: CIP connection needs to have Ethernet Communication Card

Follow us on 

Corporate Office

SUDHA CENTRE
New No.31, Old No.19, 1st Floor
Dr. Radha Krishnan Salai, Mylapore, Chennai
Tamil Nadu - 600 004 T: +91 44 4003 0401

customer@multivistaglobal.com

+91 44 42030400

service@multivistaglobal.com

+91 44 40030400

www.multivistaglobal.com

