



**Rockwell
Automation**

CompactLogix™ Controller Product Portfolio

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Controller Portfolio



Micro control platform

Micro800™ controller

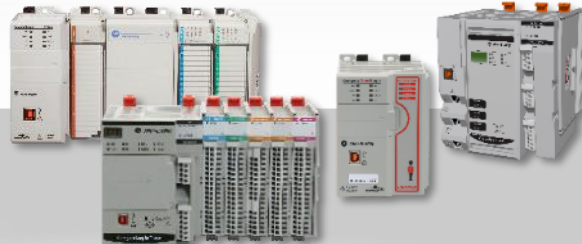
- Low acquisition cost
- Easy connectivity
- Simple programming tools
- Ideal for standalone machines



Standard machines

CompactLogix™ controller

- Multiple control disciplines
- Flexible and scalable
- Real-time information-enabled
- Standard, unmodified Ethernet
- One common integrated design environment
- Local and distributed I/O options



Complex machines & process

ControlLogix® controller



Process safety

AADvance/Trusted

- Scalable redundancy for fault tolerance
- Provides safety and availability requirements
- Distributed processing power



CompactLogix™ controllers



CompactLogix™ 5480 controller

- Integrated Motion on EtherNet/IP up to 150 axes
- Includes three GbE EtherNet/IP ports supporting both dual IP and Linear or Device Level Ring topologies up to 250 nodes
- Enables high-speed I/O, motion control
- Provides a Logix based real-time controller that runs in parallel to an instance of Windows 10 IoT Enterprise
- Enhanced security features



CompactLogix™ 5380 controller

- Integrated Motion on EtherNet/IP up to 32 axes
- Two Ethernet ports for dual IP or support for linear and Device Level Ring topologies for up to 180 nodes
- Enables high-speed I/O, motion control
- Integrated safety up to SIL 2, PLd Cat. 3 versions
- Enhanced security features



CompactLogix™ 5370 controller

- Integrated Motion on EtherNet/IP up to 16 axes
- Linear and Device Level Ring network topologies for up to 80 nodes
- Integrated safety up to SIL 3, PLe Cat. 4 versions
- On-Machine™ version



Multiple disciplines



Flexible and scalable



One common design environment

CompactLogix™ 5480 controller

Multiple disciplines

- Integrated Motion on EtherNet/IP™ up to 150 axes
- Enables high-speed I/O, motion control
- Builds upon the same high-performance architecture first introduced with the ControlLogix® 5580 and CompactLogix™ 5380 controllers



Enhanced productivity with Logix

- Includes three GbE EtherNet/IP™ ports supporting both dual IP and Linear or Device Level Ring topologies up to 250 nodes
- Provides a Logix based real-time controller that runs in parallel to an instance of Windows 10 IoT Enterprise
- Supports up to 31 local Compact 5000™ I/O modules
- Offers simplified architectures with built-in communications, peripheral connectivity,
- Integrated DisplayPort and multiple high-speed Gigabit Ethernet ports



Security capabilities

- Enhanced security features
- Offers embedded Logix security with FactoryTalk® Security user authentication and authorization



CompactLogix™ 5380 controller



High performance

- Dual one Gb Ethernet port enables high-performance I/O and Integrated Motion on EtherNet/IP™ up to 32 axes
- Controller firmware is optimized for maximum performance



Enhanced productivity with Logix

- Two Ethernet ports for dual IP or support for Linear and Device Level Ring topologies for up to 180 nodes
- Supports up to 31 local I/O modules and memory from 0.6 ... 10 MB
- Onboard display allows for enhanced diagnostics and troubleshooting
- USB port supports local programming, troubleshooting and firmware updates



Security capabilities

- Digitally signed and encrypted controller firmware
- Controller-based change detection and logging
- Role-based access control to routines and Add-On Instructions
- Ability to enable and disable all embedded ports



Compact GuardLogix® 5380 Controller



High performance

- Dual one Gb Ethernet port enables high-performance I/O and Integrated Motion on EtherNet/IP™ up to 32 axes
- Controller firmware is optimized for maximum performance
- Safety program execution optimized for high performance



Enhanced productivity with Logix

- Two Ethernet ports for dual IP or support for Linear and Device Level Ring topologies for up to 180 nodes
- Supports up to 31 local I/O modules and standard memory from 0.6 ... 10 MB
- Supports safety memory from 0.3.....5 MB
- Onboard display allows for enhanced diagnostics and troubleshooting
- USB port supports local programming, troubleshooting and firmware updates



Security capabilities

- Digitally signed and encrypted controller firmware
- Controller-based change detection and logging
- Role-based access control to routines and Add-On Instructions
- Ability to enable and disable all embedded ports



CompactLogix™ 5370 L3 Controller

Multiple disciplines

- Dual Ethernet ports support Integrated Motion over EtherNet/IP™ for up to 16 axes of motion
- Supports Device Level Ring and Linear topologies
- Control at the machine level for applications requiring smaller amounts of I/O



Enhanced productivity with Logix

- Status indicators offer immediate status of communications, module health and I/O activity
- Local expansion modules support up to 30 local expansion modules with 1769 I/O for increased functionality
- USB port supports high performance and speed for programming and firmware updates



Safety capabilities

- Three-position mode switch selector provides an added layer of security
- Access door allows easy access to the SD card and mode switch



Compact GuardLogix® 5370 Controller

High performance

- Provides integrated safety and motion in a controller
- Supports integrated safety up to SIL 3, PLe Cat. 4
- Supports up to 16 axes of motion on EtherNet/IP™



Enhanced productivity with Logix

- Removable one GB SD card improves data integrity
- Support for kinematics removes the need for additional robot controllers and software
- Reduce need for a network switch with Device Level Ring and Linear support
- Safety status indicators provide on-going safety status about the system
- USB port supports high performance and speed for programming and firmware updates



Safety capabilities

- Three-position mode switch selector provides an added layer of security
- Access door allows easy access to the SD card and mode switch



CompactLogix™ 5370 L2 Controller

Multiple disciplines



- Dual Ethernet ports support Integrated Motion over EtherNet/IP™ for up to four axes of motion
- Supports Device Level Ring and Linear topologies

Enhanced productivity with Logix



- Status indicators offer immediate status of communications, module health and I/O activity
- Embedded power supply offers a smaller form factor for maximized cabinet space
- Universal inputs and outputs offer increased configuration flexibility with Embedded Universal Analog inputs/outputs
- High-Speed Counter inputs support increased performance
- Helps enable more simplified device replacement
- Supports easier initial configuration and deployment
- USB port supports high performance and speed for programming and firmware updates



CompactLogix™ 5370 L1 Controller

Multiple disciplines

- Dual Ethernet ports support Integrated Motion over EtherNet/IP™ for up to two axes of motion
- Supports Device Level Ring and Linear topologies
- Supports up to two axes kinematics for simple articulated robotics



Enhanced productivity with Logix

- Increased storage capacity offers up to one MB of user memory for increased storage capabilities
- USB port supports high performance and speed for programming and firmware updates
- Status indicators offer immediate status of communications, module health and I/O activity
- Combines the Logix platform with the flexibility of POINT I/O™ modules



Armor™ CompactLogix™ and Armor™ Compact GuardLogix® Controllers



Multiple disciplines

- Standard and safety control on the machine
- One supports Integrated Motion over EtherNet/IP™ up to 16 axes
- Integrated safety control up to SIL 3, PLe, Cat. 4
- Dual Ethernet ports support Linear and Device Level Ring topologies
- Rated for Ingress Protection (IP67) and UL Type four applications and environments



Enhanced productivity with Logix

- Removable one-GB SD card provides nonvolatile memory and permanently stores user programs and tag data
- Four onboard status displays allow for enhanced diagnostics and troubleshooting
- Built-in power supply enables power for each device
- Minimizes hardware in the control cabinet
- Quick-connect cabling streamlines system wiring



Safety capabilities

- Safety status indicators provide on-going safety status
- Easy access to the controller mode switch, USB port, SD card and power supply fuse via four captive screws





CompactLogix™ product portfolio