The CompactLogix® 5380 controller helps enable faster performance, capacity, productivity and security to help meet the growing demands of smart machines and equipment for manufacturing when a compact solution is needed.

The CompactLogix 5380 controller with Studio 5000® software connects people and processes to enable the Connected Enterprise.

**Features and Benefits**

**Enhanced performance and troubleshooting**
- Provides up to 20% more capacity
- Dual gigabit (Gb) embedded Ethernet port enables high-speed I/O and motion control
- Controller functions optimized for maximum system performance
- Display provides enhanced diagnostics and troubleshooting
- Dual configurable port supports Device Level Ring/Linear topologies or multiple IP addresses

**Added security and capabilities**
- Energy storage module removes the need for a battery
- Controller-based change detection and logging enable added security
- Digitally-signed controller firmware adds another layer of security
- Provides role-based access control to routines and Add-On Instructions
The CompactLogix 5380 controller's high performance capabilities enhance your control system in several ways.

**CompactLogix 5380 Controller**

**Smart**
- Display provides enhanced diagnostics and troubleshooting
- USB port supports local programming, troubleshooting and updates
- Leverage the same code from large to small systems with Studio 5000

**Productive**
- Dual Gb embedded Ethernet port enables high performance I/O and motion control
- Integrated Motion on EtherNet/IP™ up to 20 axes
- Dual configurable port supports Device Level Ring/Linear topologies or multiple IP addresses
- Supports up to 31 local 5069 Compact I/O™ modules

**Secure**
- Digitally-signed controller firmware provides an added layer of security
- Controller-based change detection and logging enable added security
- Role-based access control to routines and Add-On Instructions
- Ability to enable and disable all embedded ports
Enabling the Connected Enterprise
Bringing people, processes and technology together.

It’s about reshaping the future through leverage and convergence.

The Connected Enterprise leverages technology to better gather, analyze data and transform it into actionable, real-time information. Convergence of information technology (IT) and operations technology (OT) into a single, unified architecture capitalizes on operational, business and transactional data for improved enterprise, operations and supply chain performance.

- Improve Productivity with better asset utilization and system performance
- Promote Globalization with easy access to actionable, plant-wide information
- Support Sustainability with extended product lifecycles and better asset utilization
- Cultivate Innovation with increased system flexibility and technical risk mitigation

The result of converging and leveraging The Connected Enterprise, IoT and the Integrated Architecture® technologies
A Connected Enterprise where seamless collaboration and integration enable you to use the power of real-time data to make better and more profitable business decisions. Enhanced performance, optimized operations and increased profitability throughout your entire enterprise provides you with the ability to meet the growing automation demands of customers around the world.
CompactLogix 5380 Controller

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Application Memory</th>
<th>I/O Expansion</th>
<th>Ethernet Nodes</th>
<th>Motion Axes</th>
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<tbody>
<tr>
<td>5069-L320ER</td>
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<td>40</td>
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</table>

Environmental Specifications and Certifications

Temperature
- Operating: 0 °C < Ta < +60 °C (+32 °F < Ta < +140 °F)
- Storage: -40…85 °C (-40…185 °F)

Relative Humidity
- 5-95% non-condensing

Vibration
- 5 g at 10…500 Hz

Shock
- Operating: 30 g
- Nonoperating: 50 g

Certifications
- cULus, CE, C-Tick, ATEX, IECEx, KC, UL, EtherNet/IP

For more details and a full list of product certifications, visit www.ab.com

See the CompactLogix 5380 Controllers Technical Data for additional information.