The Compact GuardLogix® 5370 controller scales the Midrange Architecture to include Integrated Safety and Integrated Motion on EtherNet/IP in a single controller. It uses Studio 5000 Logix Designer® software, the same configuration, networking and visualization environment as our large-scale ControlLogix®-based systems. The 5370 controller provides scalable integrated safety and motion options for a wider range of machines, providing a total solution for machine builders.

**Features and Benefits**

**Enhanced performance and troubleshooting**
- Increased scan times
- Up to 16 axis of motion on EtherNet/IP
- Dual Ethernet ports support linear and Device Level Ring topologies
- Embedded storage module removes the need for a battery
- Removable 1 GB SD card improves data integrity
- Use standard and safety I/O in the same remote I/O rack

**Safety and security**
- Safety status indicators provide on-going safety status about the system
- Safety rated to SIL 3, PLe, CAT 4, 1oo2 hardware structure
- Integrated Safety and Integrated Motion on EtherNet/IP
- Access door provides easy access to the SD card and mode switch
The Compact GuardLogix® 5370 controller continues to build the 5370 CompactLogix™ Midrange portfolio with the addition of Integrated Safety along with the following features and benefits.

**Compact GuardLogix 5370 Controller**

- Three-position mode switch selector provides an added layer of security
- Access door provides easy access to the SD card and mode switch
- Removable SD card provides easy, portable transfer of machine programs without software download
- Built-in dual Ethernet port supports Linear and Device Level Ring topologies
- Removable 1-GB SD card improves data integrity
- Support for kinematics eliminates the need for additional robot controllers and software

**Smart**
- Safety status indicators provide on-going safety status
- Integrated safety control up SIL 3, PLe, CAT 4, 1oo2 hardware structure
- Supports reuse of existing 1769 I/O
- Embedded energy storage module removes the need for a battery
- Faster design time using certified safety instructions and reusing code

**Productive**
- Removable SD card provides easy, portable transfer of machine programs without software download
- Built-in dual Ethernet port supports Linear and Device Level Ring topologies
- Removable 1-GB SD card improves data integrity
- Support for kinematics eliminates the need for additional robot controllers and software

**Secure**
- Three-position mode switch selector provides an added layer of security
- Access door provides easy access to the SD card and mode switch
## Compact GuardLogix 5370 Controller

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Standard Memory</th>
<th>Safety Memory</th>
<th>Total Memory</th>
<th>Tasks</th>
<th>Programs per Task</th>
<th>Max. Ethernet Nodes</th>
<th>I/O Capability Local</th>
<th>I/O Capability Expansion</th>
</tr>
</thead>
<tbody>
<tr>
<td>1769 - L30ERMS</td>
<td>1.0 MB</td>
<td>0.5 MB</td>
<td>1.5 MB</td>
<td>32</td>
<td>(1 safety)</td>
<td>100</td>
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<td>1769 - L33ERMS</td>
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<td>1.0 MB</td>
<td>3.0 MB</td>
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<td></td>
<td>32</td>
<td></td>
<td></td>
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<tr>
<td>1769 - L36ERMS</td>
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<td>4.5 MB</td>
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### Environmental Specifications and Certifications

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Temperature, operating</th>
<th>Temperature, storage</th>
<th>Vibration</th>
<th>Emissions CISPR11</th>
</tr>
</thead>
<tbody>
<tr>
<td>1769 - L30ERMS</td>
<td>0…60 °C (-4…140 °F)</td>
<td>-40…85 °C (-40…185 °F)</td>
<td>5 g @ 10…500 Hz</td>
<td>CISPR 11/22, Class A</td>
</tr>
<tr>
<td>1769 - L33ERMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1769 - L36ERMS</td>
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</table>

See [CompactLogix Technical Data](#) and additional information at the [Rockwell Automation](#) website.