

## CompactLogix 5370 L2 Controllers with Embedded Compact I/O Modules



The CompactLogix 5370 L2 controller comes with:

- a built-in, 24V DC power supply.
- dual EtherNet/IP ports for ring topologies.
- USB port for firmware download and programming.
- a combination of embedded digital, analog, and high-speed counter I/O.
- a 1769-ECR right-end cap.

Characteristic	1769-L24ER-QB1B	1769-L24ER-QBFC1B	1769-L27ERM-QBFC1B
Available user memory	0.75 MB	0.75 MB	1 MB
Memory card	<ul style="list-style-type: none"> <li>• 1784-SD1 (1 GB), shipped with controller</li> <li>• 1784-SD2 (2 GB)</li> </ul>		
Communication ports	<ul style="list-style-type: none"> <li>• 2 EtherNet/IP</li> <li>• 1 USB</li> </ul>		
Embedded I/O	<ul style="list-style-type: none"> <li>• 16 sinking/sourcing 24V DC digital input points</li> <li>• 16 sourcing 24V DC digital output points</li> </ul>	<ul style="list-style-type: none"> <li>• 16 sinking/sourcing 24V DC digital input points</li> <li>• 16 sourcing 24V DC digital output points</li> <li>• 4 universal analog input points</li> <li>• 2 analog output points</li> <li>• 4 high-speed counters</li> </ul>	
EtherNet/IP connections	<ul style="list-style-type: none"> <li>• 256 EtherNet/IP</li> <li>• 120 TCP</li> </ul>	<ul style="list-style-type: none"> <li>• 256 EtherNet/IP</li> <li>• 120 TCP</li> </ul>	<ul style="list-style-type: none"> <li>• 256 EtherNet/IP</li> <li>• 120 TCP</li> </ul>
EtherNet/IP nodes in one Logix Designer application, max	8		16
Integrated motion on an EtherNet/IP network	—	—	Supports up to 4 axes
Module expansion capacity	4 1769 modules		
Battery	None		
Embedded power supply	24V DC		
Programming software support	<ul style="list-style-type: none"> <li>• RSLogix 5000 software, version 20 - For controllers that use firmware revision 20.xxx.</li> <li>• Logix Designer application, version 21 or later - For controllers that use firmware revision 21.xxx or later.</li> </ul>		

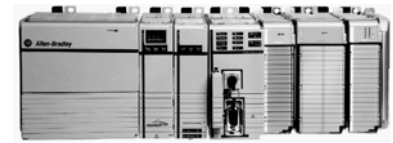
These controllers replace previous catalog numbers.

New Controller	Replaces Previous Controller <sup>(1)</sup>	Differences
1769-L24ER-QBFC1B	1769-L23-QBFC1B 1769-L23E-QBFC1B	<ul style="list-style-type: none"> <li>• Additional memory</li> <li>• Integrated motion on EtherNet/IP support (1769-L27ERM-QBFC1B)</li> <li>• USB port instead of RS-232 port</li> <li>• Dual-port EtherNet/IP support</li> <li>• SD card support addition</li> <li>• Support for additional expansion I/O modules</li> </ul>
1769-L24ER-QB1B	1769-L23E-QB1B	
1769-L27ERM-QBFC1B	1769-L23E-QBFC1B	

(1) These catalog numbers are still available for sale, see [page 12](#) for details. Please contact your local Rockwell Automation sales office for ordering information.

## 1768 CompactLogix Controllers

The 1768 CompactLogix controller combines a 1768 backplane and a 1769 backplane. The 1768 backplane supports the 1768 controller, the 1768 power supply, and a maximum of four 1768 modules. The 1769 backplane supports 1769 modules.



Characteristic	1768-L43	1768-L43S	1768-L45	1768-L45S
Available user memory	2 MB	2 MB standard 0.5 MB safety	3 MB	3 MB standard 1 MB safety
Memory card	1784-CF128 (128 MB)			
Communication options	<ul style="list-style-type: none"> <li>• EtherNet/IP (standard and safety)</li> <li>• ControlNet (standard and safety)</li> <li>• DeviceNet (standard)</li> </ul>			
Serial communication port	1 RS-232 port			
Number of 1768 modules, max	2		4	
Number of 1769 I/O modules, max	16		30	
Number of I/O banks, max	2		3	
Battery	None			
Programming software support	RSLogix 5000 software, version 20 or earlier			

## 1769-L23x Packaged CompactLogix Controllers with Embedded I/O

The 1769-L23x controllers provide the following functionality:

- Built-in power supply
- Two serial ports or one serial and one EtherNet/IP port, depending on controller catalog number
- Combination of embedded digital, analog, and high-speed counter I/O modules
- 1769-ECR right-end cap

Characteristic	1769-L23-QBFC1B	1769-L23E-QB1B	1769-L23E-QBFC1B
Available user memory	512 KB	512 KB	512 KB
CompactFlash card	None		
Communication ports	2 RS-232 ports (isolated DF1 or ASCII; only nonisolated DF1)	1 EtherNet/IP port 1 RS-232 serial port (DF1 or ASCII)	1 EtherNet/IP port 1 RS-232 serial port (DF1 or ASCII)
Embedded I/O	<ul style="list-style-type: none"> <li>• 16 DC inputs</li> <li>• 16 DC outputs</li> <li>• 4 analog inputs</li> <li>• 2 analog outputs</li> <li>• 4 high-speed counters</li> </ul>	<ul style="list-style-type: none"> <li>• 16 DC inputs</li> <li>• 16 DC outputs</li> </ul>	<ul style="list-style-type: none"> <li>• 16 DC inputs</li> <li>• 16 DC outputs</li> <li>• 4 analog inputs</li> <li>• 2 analog outputs</li> <li>• 4 high-speed counters</li> </ul>
Module expansion capacity	2 1769 modules	3 1769 modules	2 1769 modules
Embedded power supply	24V DC		
Programming software support	RSLogix 5000 software, version 20 or earlier		