CompactLogix 5390 Controller

Features and benefits

- High-performance processing for complex, multi axis and high-speed applications
- Footprint reduction and optimized thermal performance for smaller panels and tighter machine layouts
- Built-in cybersecurity aligned to IEC 62443 4 2, CIP Security, Syslog and Cyber Resiliency Act readiness
- Integrated safety helps ensure reliability, preventing hazards through functional safety and cybersecurity
- Dual EtherNet/IP ports for enhanced communication options: Dual IP address, DLR, Star and linear
- 1 Gbps front ports and 1 Gbps backplane for high-speed data movement
- USB C connectivity for modern configuration and service workflows
- OPC UA-enabled for more secure information exchange
- Scaling levers based on memory
- Local I/O support with PointMax™ I/O, Bulletin 5034, for up to 32 I/O modules in any combination
- Lower power consumption and durable construction using recycled materials





The CompactLogix® 5390 Controller gives manufacturers and OEMs a powerful new platform to build redefined architectures for high performance, space efficient and data driven machines. Its dramatically reduced footprint opens the door to smaller, more flexible designs without sacrificing capability, while local I/O support with PointMax I/O simplifies wiring and accelerates build time. With enhanced communication throughput, the CompactLogix 5390 Controller helps OEMs deliver machines that provide richer diagnostics, faster insights and more value to End Users.

Built in cybersecurity aligned to global standards helps ensure that every machine is ready for today's regulatory landscape and tomorrow's evolving requirements. By integrating performance, security, safety and compact design, the CompactLogix 5390 Controller enables OEMs to innovate faster, differentiate their machines and streamline development and deployment. For end users, it delivers smarter, more resilient operations with the flexibility to adapt to changing production demands.

Allen-Bradley
by ROCKWELL AUTOMATION

TYPE	CATALOG	DESCRIPTION
Standard Variants -25 ˚C to +60 ˚C (-13 ˚F to +140 ˚F)	5034-L9004TS	CompactLogix 400KB Controller
	5034-L9006TS	CompactLogix 600KB Controller
	5034-L9010TS	CompactLogix 1MB Controller
	5034-L9020TS	CompactLogix 2MB Controller
	5034-L9030TS	CompactLogix 3MB Controller
	5034-L9050TS	CompactLogix 5MB Controller
	5034-L9100TS	CompactLogix 10MB Controller



XT Variants -40 ˚C to +70 ˚C (-40 ˚F to +158 ˚F)“	5034-L9004TSXT	CompactLogix 400KB XT Controller
	5034-L9006TSXT	CompactLogix 600KB XT Controller
	5034-L9010TSXT	CompactLogix 1MB XT Controller
	5034-L9010TNSXT	CompactLogix 1MB XT NSE Controller
	5034-L9020TSXT	CompactLogix 2MB XT Controller
	5034-L9030TSXT	CompactLogix 3MB XT Controller
	5034-L9050TSXT	CompactLogix 5MB XT Controller
	5034-L9100TSXT	CompactLogix 10MB XT Controller



Note: XT variants. The harsh environment (XT) variants provide extended protection in corrosive gas environments.

Simplified selection

CAPACITY	MOTION AXES	ETHERNET NODES	LOCAL IO	OPC UA NODES
400KB – 1MB	8	60	16	300
2MB – 5MB	32	200	32	2000
10MB	128	300	32	4000

To learn more, visit **rok.auto/compactlogix-5390**

Rockwell Automation

expanding **human possibility**®

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