

specifically for the Plastics Industry and contains ERC2 algorithms for Plastics Machinery Control.

SLC 5/05

The SLC 5/05 processor provides the same functionality as the SLC 5/04 processor with standard Ethernet communications rather than DH+ communications. Ethernet communication occurs at 10 Mbps or 100 Mbps, providing a high performance network for program upload/download, online editing, and peer-to-peer messaging. Modular I/O systems can be configured with a maximum of 3 chassis (30 total slots) and from 4 I/O points to a maximum of 4096 I/O points.

Controller Specifications

SLC 500 Modular Controllers Specifications

Specification	SLC 5/01		SLC 5/02	SLC 5/03			SLC 5/04			SLC 5/05 ⁽³⁾		
Catalog Number 1747-	L511	L514	L524	L531	L532	L533	L541	L542	L543	L551	L552	L553
Memory Size (Words)	1 K	4 K	4 K	8 K	16 K	32 K	16 K	32 K	64 K	16 K	32 K	64 K
Backplane Current (mA) @ 5V	90 mA			500 mA			1000 mA			1000 mA		
Backplane Current (mA) @ 24V	0 mA			175 mA			200 mA ⁽²⁾			200 mA		
Digital I/O, max	7880		8192									
Local chassis/slots, max.	3/30											
On-board communications	DH-485 Slave		DH-485	DH-485 and RS-232			DH+ and RS-232			Ethernet and RS-232		
Optional memory module	EEPROM			Flash EEPROM								
Programming	RSLogix 500											
Programming Instructions	52		71	107								
Typical Scan Time ⁽¹⁾	8 ms/K		4.8 ms/K	1 ms/K			0.9 ms/K					
Program scan hold-up time after loss of power	20 ms...3 s (dependent on power supply loading)											
Bit Execution (XIC)	4 μs		2.4 μs	0.44 μs			0.37 μs					
Clock/calendar accuracy	N/A			±54 seconds/month @ 25 °C (77 °F) ±81 seconds/month @ 60 °C (140°F)								

- (1) The scan times are typical for a 1K ladder logic program consisting of simple ladder logic and communication servicing. Actual scan times depend on your program size, instructions used, and the communication protocol.
- (2) SLC 5/04 processors manufactured prior to April 2002 draw 200 mA @ 24V dc. Check the label to verify your processor's current draw.
- (3) The 5/05 Series C processors can communicate to 100 Mbps and support increased connections: 1747-L551 = 32 connections; 1747-L552 = 48 connections; 1747-L553 = 64 connections.