

MicroLogix 1100 Controllers

Specifications

General Specifications

Specification	1763 Controllers
Operating Temperature	-20...65 °C (-4...149 °F)
Nonoperating Temperature	-40...85 °C (-40...185 °F)
Relative Humidity	5...95% noncondensing
Vibration	Operating: 10...500 Hz, 5 g, 0.015 in max. peak-to-peak (Relay Operation: 1.5 g)
Operating Shock	30 g; 3 pulses each direction, each axis (Relay Operation: 10 g)
Nonoperating Shock	50 g panel mounted 40 g DIN rail mounted 3 pulses each direction, each axis
Certifications	UL Listed Industrial Control Equipment for use in class 1, Division 2, Hazardous Locations, Groups A, B, C, D C-UL Listed Industrial Control Equipment for use in Canada CE marked for all applicable directives C-Tick marked for all applicable acts

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	1763-L16AWA	1763-L16BWA	1763-L16BBB	1763-L16DWD
Input Power	120/240V AC		24V DC	12...24V DC
Memory Size and Type	8 kB battery backed RAM: 4 kB user program 4 kB user data			
Data Elements	Configurable, user-defined file structure, 4 kB max. data size			
Data Logging / Recipe Storage	Up to 128 Kbytes for data logging and up to 64 Kbytes for recipe (recipe memory subtracted from available data logging)			
Battery Back-up	Yes			
Back-up Memory Module	Yes			
Digital Inputs	(10) 120V AC	(6) 24V DC (4) fast 24V DC		(6) 12...24V DC (4) fast 12/24V DC
Analog Inputs	Embedded, 2 in local, with additional 1762 analog modules			
Digital Outputs	(6) relay		(2) relay (2) 24V DC FET (2) high-speed 24V DC FET	(6) relay
Serial Ports	(1) RS-232/RS-485 Combo Port			
Serial Protocols	<ul style="list-style-type: none"> • DF1 Full Duplex • DF1 Half Duplex Master/Slave • DF1 Radio Modem • DH-485 • Modbus RTU Master/Slave • ASCII(6) relay 			
Ethernet Ports	(1) 10/100 Mbps port			
Ethernet Protocols	EtherNet/IP messaging only			
Trim Potentiometers	2 digital			
High-Speed Inputs (Pulse Catch)	—	4 channels at 20 kHz		
Real-Time Clock	Yes, embedded			
PID	Yes (multiple loops only limited by program and stack memory)			
Pulse Width Modulated	—	2 channels at 20 kHz		
Pulse Train Outputs	—	2 channels at 20 kHz		
Dual Axis Servo Control	—	Through embedded PTO		—
Embedded LCD	Yes			
Floating Point Math	Yes			