

MLX-PLC

SoftPLC Models MLXP300/325-x

- ◆ Compact, DIN-rail mount design
- ◆ High density I/O blocks, mix of digital & analog
- ◆ I/O expandable by ethernet/serial
- ◆ 512MB user memory
- ◆ GB Ethernet port
- ◆ (2) USB host ports
- ◆ (2) option ports for RIO/DH+ and/or RS-485 [Models MLXP300/325-SN2-A1 only]



Model MLXP325-MN1-A1



Model MLXP300-SN2-A1

The MLX is a family of powerful, compact Programmable Automation Controller (PAC) systems. It combines a SoftPLC CPU and an I/O block that can address many small I/O count applications. Additional I/O needs and interfaces to devices such as HMI's, drives or others can be met by adding remote I/O on Ethernet or serial. Included protocols include Ethernet/IP, ModbusTCP, ModbusRTU and others.



Users of Rockwell Automation/Allen-Bradley PLC systems can take advantage of these additional features:

- ◆ Re-use existing ladder logic & documentation from MicroLogix/SLC-500 via automated conversion utility
- ◆ Use existing HMI applications
- ◆ Communicate to A-B PLC's via peer-to-peer messaging on A-B networks such as Ethernet/IP, A-B Ethernet PCCC and DF1
- ◆ Similar overall size to MicroLogix 1400
- ◆ Connect to legacy devices on "blue-hose" Remote I/O or DH+ (eg: PLC's, drives, scales, robots) [Models MLXP300/325-SN2-A1 only]

Ordering Information

MODEL	I/O	CPU (x)			
MLXP300-x	16 DI, 16 DO	MN1-A1-y Micro SoftPLC			
MLXP325-x	16 DI, 16 DO, 5 AI, 2 RTD, 4 AO	SN2-A1-y NeoPAC SoftPLC			
CPU License Attribute	-y is license size				
	LT	1K	2K	8K	
Ethernet/IP Conn Bytes	64	512	1024	4096	
ModbusTCP Servers	2	16	32	128	
Max Digital In/Out	128	1024	2048	8192	

SPECIFICATIONS OVERVIEW

I/O	
Digital Inputs	12, 24VDC sink
HSC/Fast Inputs	4 max, 1 ctr @ 100kHz
Digital Outputs	12, 24VDC source (1.5A)
Fast Outputs	4 max (PTO/VFO/PWM)
Analog Inputs ¹	5 (0-10V or 4-20/0-20ma)
RTD Inputs ¹	2 (Pt100, Pt1000)
Analog Outputs ¹	4 (0-10V or 4-20/0-20ma)
CPU	
Ethernet Port	(1) GB, RJ-45
USB Ports	(2) Host, USB A
(2) Option Ports <i>MLXP3xx-SN2-A1 only</i>	RS-485, 2 wire, Term Block RIO/DH+, Term Block
RAM Memory	512MB
Flash Memory	8GB on-board (+MicroSD slot)
Physical/Environmental	
Operating Temp	-20 ~ 60°C
Size (CPU+I/O) WxHxD	~10-1/4 x 3-7/8 x 2-7/8"
Nominal Input Voltage	MN1-A1 CPU: 5VDC SN2-A1 CPU & I/O: 24VDC
Standards	RoHS, CE ² , UL ²

¹ Models MLXP325-x only

² I/O only