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	16DI, 16DO	MN1-A1-*y* Micro SoftPLC
MLXP325-x	16DI, 16DO, 5AI, 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 *MLXP3xx-SN2-A1 only*	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*

SoftPLC CORPORATION