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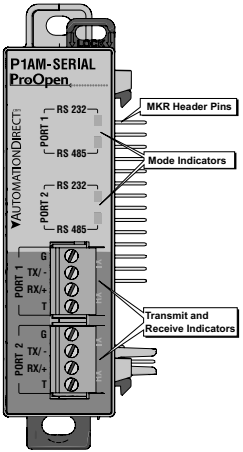
P1AM-SERIAL Arduino® MKR Compatible, Customizable Shield

The P1AM-SERIAL is a housed Arduino MKR form factor shield. It connects to the left side of the P1AM CPU and most Arduino MKR form factor boards.



General Specifications	
Operating Temperature	0° to 60°C (32° to 140°F)
Storage Temperature	-20° to 70°C (-4° to 158°F)
Humidity	5 to 95% (non-condensing)
Environmental Air	No corrosive gases permitted
Vibration	IEC60068-2-6 (Test Fc)
Shock	IEC60068-2-27 (Test Ea)
Heat Dissipation	380mW
Enclosure Type	Open Equipment
Power Budget	115mA / 3.3 V
Recommended Library	P1AM_Serial
Module Location	Shield connects to the left side of the P1AM CPU. P1-01AC/02AC can connect to the left side of the Shield.
Weight	77g (2.7 oz)
Agency Approvals	UL 61010-1 and UL 61010-2-201 File E139594, Canada & USA CE*

*See CE Declaration of Conformance for details.

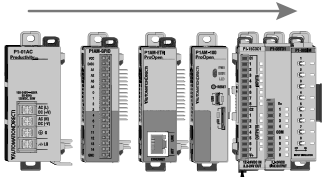
Link to GitHub

Link to additional resources

Module Installation

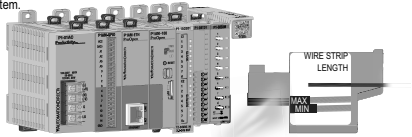
WARNING: Do not add or remove modules with field power applied.

Step One: With latch in "locked" position, align connectors on the side of each module and stack by pressing together. Click indicates lock is engaged.

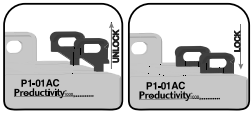


Ensure all latches are secure after modules are connected.

Step Two: Attach field wiring using the removable terminal block or ***ZIP***Link wiring system.



Step Three: To unstack modules, pull locking latch up into the unlocked position and then pull modules apart.



NOTE: This module is based on open-source programming, which means that all operating support must be provided from 3rd party libraries and/or custom programmed applications. AutomationDirect.com does not offer drivers, stacks, or libraries for this product, but they are readily available online free of charge. AutomationDirect.com makes no guarantee of the performance of this module when using 3rd party libraries other than the hardware level as defined and implied herein.

Document Name	Edition/Revision	Date
P1AM-SERIAL-DS	1st Edition, Rev A	2/6/2023