

# Productivity<sup>®</sup>Open Overview

ProductivityOpen leverages the modern processing power of Arduino and the proven industrial value of the Productivity1000 input and output modules. Make use of the wide variety of Arduino MKR form factor shields.

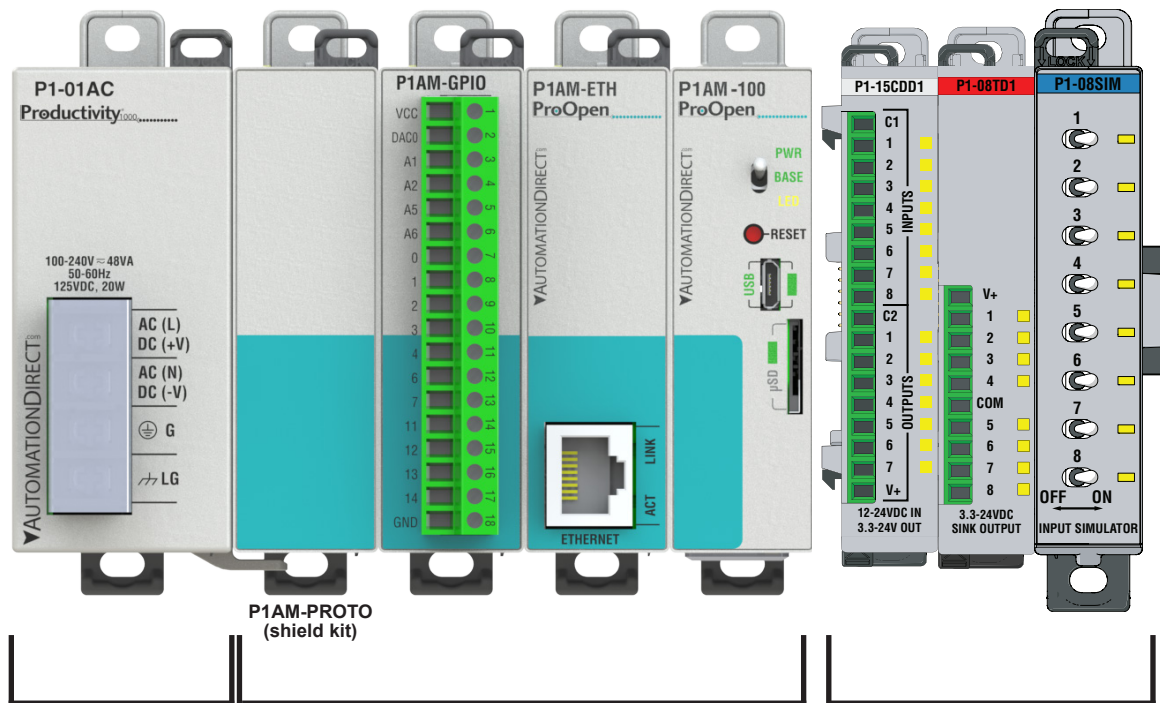
The P1AM-100 module is programmed with the Arduino IDE or ProductivityBlocks, an optional proprietary block programming environment.

## Features

- Supports Productivity1000 inputs and outputs modules
- Supports Arduino MKR form factor shields
- UL listed CPU
- UL listed ProductivityOpen branded shields



Productivity <sup>®</sup> Open Modules		
Part Number	Price	Description
<b>P1AM-100</b>	\$49.00	Arduino compatible CPU
<b>P1AM-ETH</b>	\$39.00	Ethernet shield
<b>P1AM-GPIO</b>	\$44.00	Extended I/O shield
<b>P1AM-PROTO</b>	\$32.00	Custom housing kit
<b>P1AM-START1</b>	\$229.00	Maker community start kit
<b>P1AM-START2</b>	\$159.00	Industrial community start kit



Productivity1000 Power Supply

The power of Arduino in ProductivityOpen.

Productivity1000 Input and Output Modules

# Productivity<sup>®</sup> Open Overview

## Productivity1000 I/O Modules

A variety of discrete and analog I/O modules from our Productivity1000 line are available for use with the P1AM-100.

Productivity1000 Modules			
Part Number	Number of Inputs	Description	
<b>Input Modules</b>			
P1-08SIM	8	Input Simulator Module	
P1-08ND3	8	Sinking/Sourcing 12–24 VDC Input	
P1-16ND3	16	Sinking/Sourcing 12–24 VDC Input	
P1-08NE3	8	Sinking/Sourcing 24V AC/DC	
P1-16NE3	16	Sinking/Sourcing 24V AC/DC	
P1-08NA	8	AC Isolated 100–240 VAC	
<b>Output Modules</b>			
	Number of Outputs		
P1-08TD1	8	Sinking DC Output	
P1-08TD2	8	Sourcing DC Output	
P1-15TD1	15	Sinking DC Output	
P1-15TD2	15	Sourcing DC Output	
P1-08TA	8	AC Output	
P1-08TRS	8	Isolated Relay Output	
P1-16TR	16	Relay Output	
<b>Input/Output Modules</b>			
	Inputs	Outputs	
P1-15CDD1	8	7	Input: Sinking/Sourcing; Output: Sinking
P1-15CDD2	8	7	Input: Sinking/Sourcing; Output: Sourcing
P1-16CDR	8	8	Input: Sinking/Sourcing; Output: Relay

Productivity1000 Modules			
Part Number	Number of Inputs	Description	
<b>Input Modules</b>			
P1-04AD	4	Analog Input (Current)	
P1-04ADL-1	4	Analog Input (Current)	
P1-04ADL-2	4	Analog Input (Voltage)	
P1-08ADL-1	8	Analog Input (Current)	
P1-08ADL-2	8	Analog Input (Voltage)	
P1-04RTD	4	RTD Input	
P1-04THM	4	Analog Thermocouple Input	
P1-04NTC	4	Analog Thermistor Input	
<b>Output Modules</b>			
	Number of Outputs		
P1-04DAL-1	4	Analog Output (Current)	
P1-04DAL-2	4	Analog Output (Voltage)	
P1-08DAL-1	8	Analog Output (Current)	
P1-08DAL-2	8	Analog Output (Voltage)	
<b>Input/Output Modules</b>			
	Inputs	Outputs	
P1-4ADL2DAL-1	4	2	Analog Input/Analog Output (Current)
P1-4ADL2DAL-2	4	2	Analog Input/Analog Output (Voltage)

