

Productivity®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.

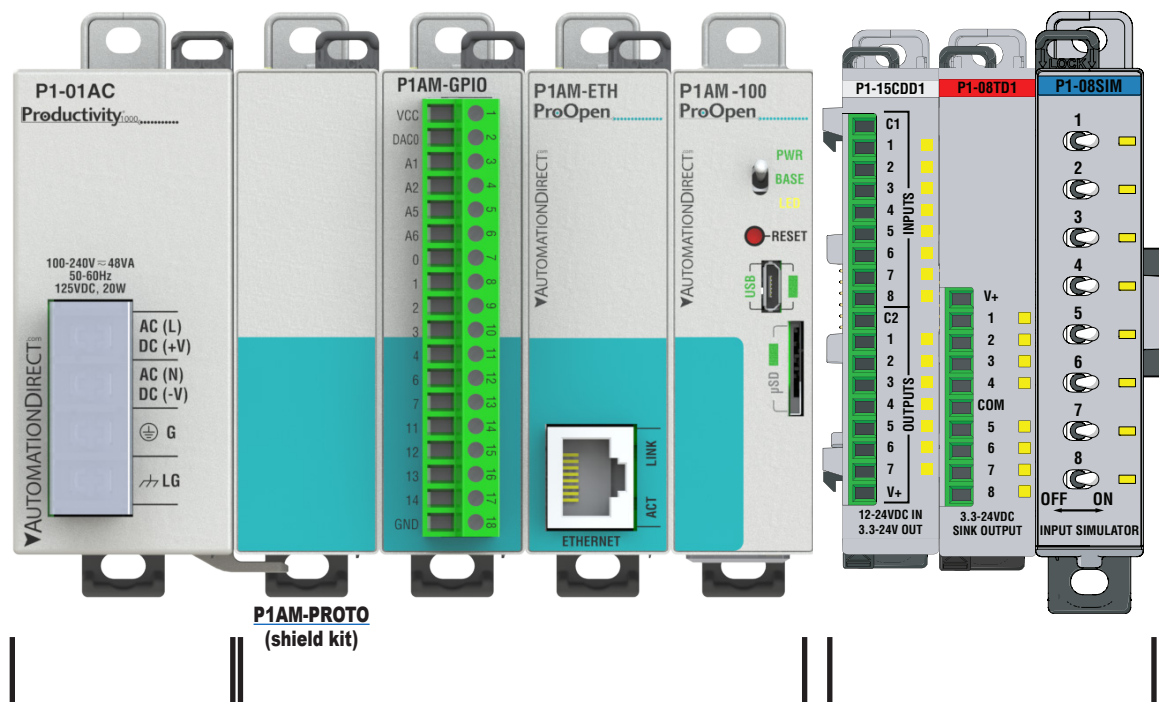
The P1AM-100 module is programmed with the Arduino IDE or ProductivityBlocks, an optional proprietary block programming environment.

Features

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



Productivity®Open Modules		
Part Number	Price	Description
P1AM-100	\$69.00	Arduino compatible CPU
P1AM-ETH	\$55.00	Ethernet shield
P1AM-GPIO	\$61.00	Extended I/O shield
P1AM-PROTO	\$44.50	Custom housing kit
P1AM-START1	\$288.00	Maker community start kit
P1AM-START2	\$223.00	Industrial community start kit



**Productivity1000
Power Supply**

**The power of Arduino in
ProductivityOpen.**

**Productivity1000
Input and Output
Modules**

Productivity®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 Discrete Modules

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

Productivity1000 Specialty Modules

Part Number	Description
Input Modules	
P1-04PWM	4 channels of sinking/sourcing 0–20 kHz, 0–100% duty cycle outputs
P1-02HSC	2 independent single-ended 5–24 VDC inputs that accept up to 100kHz of pulse/direction and quadrature signals and 2 - 5–24 VDC general-purpose high-speed inputs.

Productivity1000 Analog Modules

Part Number	Number of Inputs	Description
Input Modules		
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
Output Modules		
	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)
Input/Output Modules		
	Inputs	Outputs
P1-4ADL2DAL-1	4	2
		Analog Input/Analog Output (Current)
P1-4ADL2DAL-2	4	2
		Analog Input/Analog Output (Voltage)

