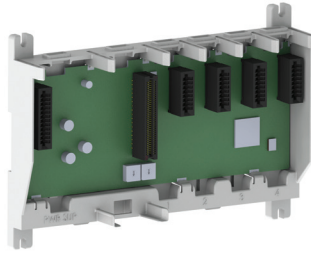


# Productivity2000 Overview

## Bases

Four bases are available, with 4, 7, 11, and 15 slots.



Productivity2000 Bases		
Part Number	Description	
<b>P2-04B</b>	4-slot base	
<b>P2-07B</b>	7-slot base	
<b>P2-11B</b>	11-slot base	
<b>P2-15B</b>	15-slot base	

## Power Supply

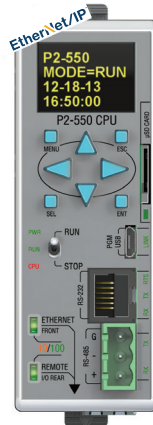
Two power supplies are available; one accepts 100–240 VAC and the other is dual voltage accepting 24VAC or 12–24 VDC input.



Productivity2000 Power Supply		
Part Number	Description	
<b>P2-01AC</b>	Power supply (100–240 VAC source)	
<b>P2-01DCAC</b>	Power supply (24VAC or 12–24 VDC)	

## CPU Module

One CPU module is currently available.



Productivity2000 CPU Module		
Part Number	Description	
<b>P2-550</b>	CPU module	

## Remote Slave Module

One remote slave module is currently available.

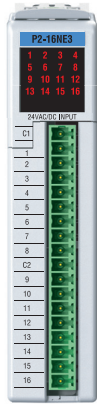


Productivity2000 Remote Slave Module		
Part Number	Description	
<b>P2-RS</b>	Remote Slave module	

# Productivity2000 Overview

## Discrete I/O Modules

Nine discrete input and fourteen discrete output modules are available.

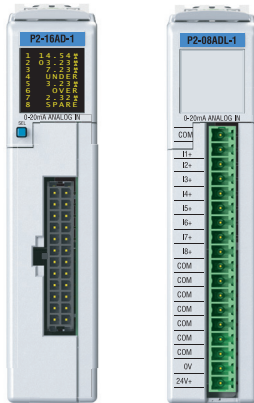


Discrete Input Modules		
Part Number	Description	
<i>P2-08SIM</i>	Input Simulator	
<i>P2-08ND3</i>	Sinking/Sourcing 12–24 VDC	
<i>P2-16ND3</i>	Sinking/Sourcing 12–24 VDC	
<i>P2-32ND3</i>	Sinking/Sourcing 12–24 VDC	
<i>P2-08NE3</i>	Sinking/Sourcing 24V AC/DC	
<i>P2-16NE3</i>	Sinking/Sourcing AC/DC	
<i>P2-32NE3</i>	Sinking/Sourcing 24V AC/DC	
<i>P2-08NAS</i>	AC Isolated 100–120 VAC	
<i>P2-16NA</i>	AC Input 100–240 VAC	

Discrete Output Modules		
Part Number	Description	
<i>P2-08TD1S</i>	Isolated Sinking	
<i>P2-08TD2S</i>	Isolated Sourcing	
<i>P2-15TD1</i>	Sinking	
<i>P2-15TD2</i>	Sourcing	
<i>P2-08TD1P</i>	Sinking Protected	
<i>P2-08TD2P</i>	Sourcing Protected	
<i>P2-16TD1P</i>	Sinking Protected	
<i>P2-16TD2P</i>	Sourcing Protected	
<i>P2-32TD1P</i>	Sinking Protected	
<i>P2-32TD2P</i>	Sourcing Protected	
<i>P2-08TAS</i>	Isolated AC	
<i>P2-16TA</i>	AC Output	
<i>P2-08TRS</i>	Isolated Relay	
<i>P2-16TR</i>	Relay	

## Analog I/O Modules

Twelve analog input, eleven analog output, and two analog input/output combo modules are available.



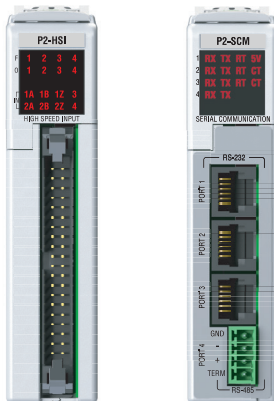
Analog Input Modules		
Part Number	Description	
<i>P2-04AD</i>	Voltage/Current	
<i>P2-08AD-1</i>	Current	
<i>P2-08AD-2</i>	Voltage	
<i>P2-08ADL-1*</i>	Current	
<i>P2-08ADL-2*</i>	Voltage	
<i>P2-16AD-1</i>	Current	
<i>P2-16AD-2</i>	Voltage	
<i>P2-16ADL-1*</i>	Current	
<i>P2-16ADL-2*</i>	Voltage	
<i>P2-06RTD</i>	RTD	
<i>P2-08NTC</i>	Thermistor	
<i>P2-08THM</i>	Thermocouple	

Analog Output Modules		
Part Number	Description	
<i>P2-04DA</i>	Voltage/Current	
<i>P2-04DAL-1*</i>	Current	
<i>P2-04DAL-2*</i>	Voltage	
<i>P2-08DA-1</i>	Current	
<i>P2-08DA-2</i>	Voltage	
<i>P2-08DAL-1*</i>	Current	
<i>P2-08DAL-2*</i>	Voltage	
<i>P2-16DA-1</i>	Current	
<i>P2-16DA-2</i>	Voltage	
<i>P2-16DAL-1*</i>	Current	
<i>P2-16DAL-2*</i>	Voltage	

\* Low resolution analog modules without OLED display.

## Specialty Modules

The three specialty modules available provide high-speed capabilities and additional serial communication ports.



\* Low resolution analog modules without OLED display.

Analog Input/Output Modules		
Part Number	Description	
<i>P2-8AD4DA-1</i>	Current	
<i>P2-8AD4DA-2</i>	Voltage	

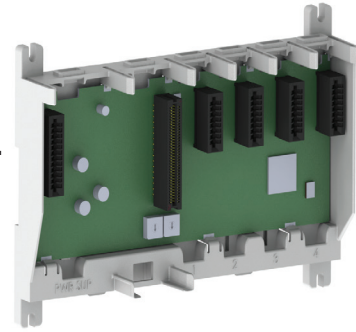
Specialty Modules		
Part Number	Description	
<i>P2-HSI</i>	High-Speed Input	
<i>P2-HSO</i>	High-Speed Output	
<i>P2-SCM</i>	Serial Communications Module	

# Productivity2000 Overview

## What you'll need:

Of course, what you'll need for your system depends on your particular application however, this overview shows you what you'll need for a simple system.

### 1. Select and order your base.



### 2. Select the 100–240 VAC or 24VAC/12–24 VDC power supply.



### 3. Order the CPU module.

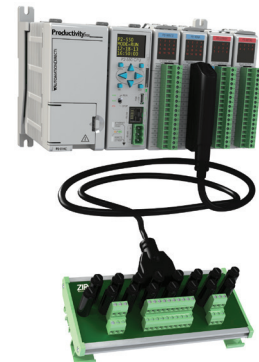
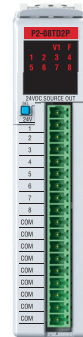


### 4. Order CD or Download (Free!) and install the Productivity Suite programming software onto your PC.



### 5. Select and order your I/O modules.

At the same time, select and order your **ZIP**Link wiring system or removable terminal blocks.



### 6. Select your PC-to-CPU programming cable.

You will need a standard USB Type A to Micro USB Type B cable or Ethernet cable (Cross-over or Straight) for programming.



### 7. Select tools, wire, and provide power.

Screwdriver  
TW-SD-MSL-1



Wire Strippers  
DN-WS



Hookup Wire



# Programming Software

## PS-PGMSW FREE

Free online download!

Productivity Suite is user-friendly programming software designed to allow quick and easy programming of ladder logic programs for the Productivity2000 and Productivity3000 CPUs.

The online help file provides information that will help you get acquainted with the software quickly.

## PC Requirements

Productivity Suite programming software works with Windows® 10, 8, or 8.1 (Home or Professional) or Windows® 7 (Home, Professional, Ultimate, 32 or 64-bit); Vista® (Home, Basic, Premium, 32 or 64-bit) or Windows XP. These are the minimum system requirements:

- Vista or Windows 7 & higher Personal Computers with a Windows 8, 8.1 & Windows 10. Personal Computer with a (Windows Vista) 800 MHz or (Window 7 & higher) 1 GHz or higher processor (CPU) clock speed recommended; Intel Pentium/Celeron family or AMD K6/Athlon/Duron family, or compatible processor recommended
- SVGA 1024x768 pixels resolution (1280x1024 pixels resolution recommended)
- 300MB free hard-disk space
- RAM: Vista or Windows 7 & higher with GUI version 2.0.0.x or higher RAM = 2GB memory (4GB recommended)  
\*\*GUI Version 1.10 or lower RAM = 512MB free RAM (1GB recommended).
- CD-ROM or DVD drive for installing software from the CD
- USB or Ethernet port for project transfer to CPU

## Programming Cable

You will need a Micro USB or Cat-5 Ethernet cable for programming, depending on whether you use the USB or Ethernet programming port.

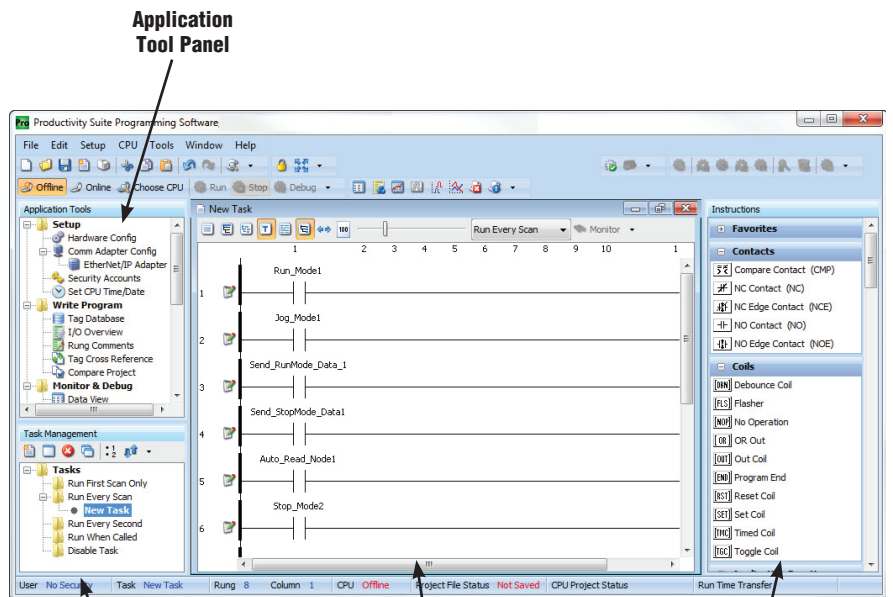
We recommend using a USB programming cable; just plug it in and it works. We sell these USB Type A to Micro Type B USB cables:

- USB-CBL-AMICB6 (6 ft.)
- USB-CBL-AMICB15 (15 ft.)



## Main window

The Main Window is displayed when the program opens. It is divided into Menu, Toolbars, and Windows that work together to make project development as simple as possible.



Application Tool Panel

Task Management Panel

Ladder Editor Window

Instruction Panel Window