

AutomationDirect » Productivity2000®

Productivity2000 Features

- System Price is less than 1/2 the price of a CompactLogix
- 5 Built-in Communication Ports
- Modbus RTU, Modbus TCP, and/or Ethernet IP protocols
- A total of 128 Ethernet/IP connections & >5000 messages/sec
- Messages displayed on CPU & IO modules vs blinking lights
- Easy to configure, tune, & control PID loops
- With 50MB - virtually unlimited amount of PID loops
- Flexible Programming - tag name based controller
- Get started quickly with auto-discovered IO modules
- 16Bit Analog IO + 1MHz High Speed Pulse input & output
- Hot-swappable IO - keeps you up and running
- Up to 16 VFDs can be set up in minutes with auto-discovery
- Built-in Data Logging - Track up to 64 tags using up to 32GB SD
- Slim form factor = DIN rail density - PS+CPU+7 modules = 10.5"
- Wiring Options - ZipLink pre-wired, Clamp Type, Screw Type
- Built-in Web Server - Access data files & system tags remotely
- Easily convert existing projects to/from Productivity3000

**TWO
YEAR
WARRANTY**

Productivity2000 Support

- FREE Programming & Documentation Software
- FREE Technical Support @ both ADC and QA
- FREE Online Video Training from AutomationDirect
- FREE Systems Based Training at Quantum Automation
- FREE On-Site Demonstrations from Quantum Automation
- FREE Documentation / Manuals - Online most up to date
- FREE CAD Drawings online from AutomationDirect
- FREE PACData MobileApp for iOS Devices - Monitor from anywhere!
- 30-day Money-Back Guarantee
- Software is Developed and Supported in the USA

Productivity2000™



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Catalog Number	Productivity 2000 Description (Modbus TCP and EthernetIP)	Ziplink Cable	Connector Feedthrough	Connector LED/ R/L/FU #E
P2-550	CPU, 50MB, OLED (1) Micro USB Programming Port (1) RS-232, (1) RS-422/485, (2) RJ45 Ethernet			
D2-BAT-1	Battery is included with the P2-550 but is not installed - this is for replacement only			
MIC SD-160	16GB Micro SD card for P2-550 CPU (optional) - note CPU can handle up to a 32GB SD card			
P2-01AC	AC Base Power Supply (100-240VAC)			
P2-01DCAC	DC AC Base Power Supply (24 VAC or 12-24VDC)			
P2-R 1	Remote Slave Module - OLED (1) USB Prog Port (1) RS-232, (1) RS-422/485, (1) RJ45 Ethernet			
P2-04B	4 slot base			
P2-07B	7 slot base			
P2-11B	11 slot base			
P2-16B	15 slot base			
P2-08 SIM	(8) Input Simulator	NA	NA	NA
P2-08ND3-1	(8) DI - 12-24 VDC sink/source - 2 commons	ZL-P2-CBL18	ZL-RTB20	
P2-08NE3	(8) DI - 24 VAC/24 VDC sink/source - 2 commons	ZL-P2-CBL18	ZL-RTB20	
P2-08NA 3	(8) DI (isolated) - 120 VAC - 8 commons	ZL-P2-CBL18	ZL-RTB20	
P2-16ND3-1	(16) DI - 12-24 VDC sink/source - 2 commons	ZL-P2-CBL18	ZL-RTB20	ZL-LTB16-24
P2-16NE3	(16) DI - 24 VAC/24 VDC sink/source - 2 commons	ZL-P2-CBL18	ZL-RTB20	ZL-LTB16-24
P2-32ND3-1	(32) DI - 12-24 VDC sink/source - 4 commons	ZL-CBL40	ZL-RTB40	ZL-LTB32-24
P2-32NE3	(32) DI - 20.4-27.6 VAC/DC sink/source - 4 commons	ZL-CBL40	ZL-RTB40	ZL-LTB32-24
P2-16NA	(16) DI - 100-240 VAC - 2 commons	ZL-P2-CBL18	ZL-RTB20	
P2-08TD1 3	(8) DO - 3.3-24 VDC sinking, 2 commons -2A/pt	ZL-P2-CBL18	ZL-RTB20	
P2-08TD1P	(8) DO - 12-24 VDC sinking with short circuit protection - 1 common + (8) 24V sinks -0.25A/pt	ZL-P2-CBL18	ZL-RTB20	
P2-08TD2 3	(8) DO - 12-24 VDC sourcing - 2 commons -2A/pt	ZL-P2-CBL18	ZL-RTB20	
P2-08TD2P	(8) DO - 12-24 VDC sourcing with short circuit protect - 1 common + (8) common source -0.25A/pt	ZL-P2-CBL18	ZL-RTB20	
P2-16TD1	(16) DO - 3.3-24 VDC sinking, 2 common -1A/pt	ZL-P2-CBL18	ZL-RTB20	
P2-16TD2	(16) DO - 3.3-24 VDC sourcing, 2 common -1A/pt	ZL-P2-CBL18	ZL-RTB20	
P2-16TD1P	(16) DO - 12-24 VDC sinking with short circuit protection - 1 common + Fault Status -0.25A/pt	ZL-P2-CBL18	ZL-RTB20	ZL-RRL16-24-1
P2-16TD2P	(16) DO - 12-24 VDC sourcing with short circuit protection - 1 common + Fault Status -0.25A/pt	ZL-P2-CBL18	ZL-RTB20	ZL-RRL16-24-2
P2-32TD1P	(32) DO - 12-24 VDC sinking - 4 commons -0.1A/pt, short circuit and overload protection.	ZL-CBL40	ZL-RTB40	
P2-32TD2P	(32) DO - 12-24 VDC sourcing - 4 commons -0.1A/pt, short circuit and overload protection.	ZL-CBL40	ZL-RTB40	
P2-08TA 3	(8) DO isolated - 120 VAC, 8 commons -1A/pt	ZL-P2-CBL18	ZL-RTB20	
P2-16TA	(16) DO - 100-240 VAC - 2 commons -0.5A/pt	ZL-P2-CBL18	ZL-RTB20	ZL-RFU20 (Fuse)
P2-08TR 3	(8) RO - 6.25-24 VDC / 6-120 VAC - 8 commons - 4A isolated relays per point (only 2A/pt with ZL)	ZL-P2-CBL18	ZL-RTB20	
P2-16TR	(16) RO - 6.25-24 VDC / 6-240 VAC - 2 commons - (8) 1A surge protected relay outputs/common	ZL-P2-CBL18	ZL-RTB20	ZL-RFU20 (Fuse)
P2-08THM	(8) Thermocouple Input - 16Bit - Types J,E,K,R,S,T,B,N,C - no ext 24VDC req	TC wire Only	P2-RTB Inc	
P2-08NTC	(8) Thermistor Input - 16Bit - Types 2252, 10K-AN Type1, 10K-CP Type2, 5kohm, 3kohm, 1kohm	Matched Only	P2-RTB Inc	
P2-08RTD	(8) RTD Input - 16Bit - Types Pt100, Pt1000, JPt100, 100ohm Cu, 250ohm Cu, 120ohm Ni - no 24VDC req	Matched Only	P2-RTB Inc	
P2-04AD	(4) AI - 16Bit - Selectable +/-10 VDC, +/-5 VDC, 0-5 VDC, 0-10 VDC, 0-20mA - ext 24VDC req - OLED	ZL-P2-CBL18	ZL-RTB20	
P2-08AD-1	(8) AI - 16Bit - 0-20mA - ext 24 VDC req - OLED display on module	ZL-P2-CBL18	ZL-RTB20	
P2-08AD-2	(8) AI - 16Bit - 0-10 VDC - ext 24 VDC req - OLED display on module	ZL-P2-CBL18	ZL-RTB20	
P2-08ADL-1	(8) AI - 13 Bit - 0-20mA - ext 24 VDC req - No OLED	ZL-P2-CBL18	ZL-RTB20	
P2-08ADL-2	(8) AI - 13 Bit - 0-10 VDC - ext 24 VDC req - No OLED	ZL-P2-CBL18	ZL-RTB20	
P2-16AD-1	(16) AI - 16Bit - 0-20mA - ext 24 VDC req - OLED display on module	ZL-P2-CBL24	ZL-RTB20	
P2-16AD-2	(16) AI - 16Bit - 0-10 VDC - ext 24 VDC req - OLED display on module	ZL-P2-CBL24	ZL-RTB20	
P2-16ADL-1	(16) AI - 13 Bit - 0-20mA - ext 24 VDC req - No OLED	ZL-P2-CBL24	ZL-RTB20	
P2-16ADL-2	(16) AI - 13 Bit - 0-10 VDC - ext 24 VDC req - No OLED	ZL-P2-CBL24	ZL-RTB20	
P2-04DA	(4) AO - 16Bit - Selectable +/-10 VDC or 4-20mA sink or source per channel - ext 24 VDC req	ZL-P2-CBL18	ZL-RTB20	
P2-04DAL-1	(4) AO - 12 Bit - 4-20 mA, ext 24 VDC req	ZL-P2-CBL18	ZL-RTB20	
P2-04DAL-2	(4) AO - 12 Bit - 0-10 VDC, ext 24 VDC req	ZL-P2-CBL18	ZL-RTB20	
P2-08DA-1	(8) AO - 16Bit - 4-20mA - ext 24 VDC req - OLED display on module	ZL-P2-CBL18	ZL-RTB20	
P2-08DA-2	(8) AO - 16Bit - +/-10 VDC - ext 24 VDC req - OLED display on module	ZL-P2-CBL18	ZL-RTB20	
P2-08DAL-1	(8) AO - 12Bit - 4-20mA - ext 24 VDC req - No OLED	ZL-P2-CBL18	ZL-RTB20	
P2-08DAL-2	(8) AO - 12Bit - +/-10 VDC - ext 24 VDC req - No OLED	ZL-P2-CBL18	ZL-RTB20	
P2-16DA-1	(16) AO - 16Bit - 4-20mA (sourcing) - ext 24 VDC req - OLED display on module	ZL-P2-CBL24	ZL-RTB20	
P2-16DA-2	(16) AO - 16Bit - +/-10 VDC - ext 24 VDC req - OLED display on module	ZL-P2-CBL24	ZL-RTB20	
P2-16DAL-1	(16) AO - 12Bit - 4-20mA (sourcing) - ext 24 VDC req - No OLED	ZL-P2-CBL24	ZL-RTB20	
P2-16DAL-2	(16) AO - 12Bit - +/-10 VDC - ext 24 VDC req - No OLED	ZL-P2-CBL24	ZL-RTB20	
P2-3AD4DA-1	(8) AI - 16Bit - 0-20mA (sinking) + (4) AO - 16Bit - 4-20mA - ext 24 VDC req	ZL-P2-CBL18	ZL-RTB20	
P2-3AD4DA-2	(8) AI - 16Bit - 0-5 or 0-10 VDC + (4) AO - 16Bit - 0-5 or 0-10VDC - ext 24 VDC req	ZL-P2-CBL18	ZL-RTB20	
P2-FILL	Filler Module	NA	NA	
P2-H 3I	High Speed Counter Input - (2) 1MHz each + (4) 5-24 VDC DI + (4) 5-24 VDC DO intelligent module	ZL-CBL40-S	ZL-RTB40	
P2-H 3O	High Speed Pulse Output - (2) 1MHz each + (6) 5-24 VDC DI + (4) 5-24 VDC DO intelligent module	ZL-CBL40-S	ZL-RTB40	
P2-SCM	Serial Communications Module - (3) RJ12RS232 + (1) RS422/485 (comes with removable TB)	NA	NA	

P2-PGM SW Productivity Suite Software is FREE (you can use Ethernet port to program)
 Modbus TCP client/server, EthernetIP client/server, Email SMTP client, up to 4000 IO
 Battery is not needed for program backup - used to retain Time & Date for Tagname Val/ues
 Can be used for data logging or project transfers

Note All Ziplink Cables come standard at 0.5 meters (add a -1 for 1 meter and -2 for 2meter lengths)
 If no Ziplink Solution, then must purchase a P2-RTB screw or P2-RTB-1 spring Terminal Block