

# Industrial "Node" PC - PS3001B Series



**Fanless**

**Open HMI Option: WinGP**



2 GB, 8 GB or 16 GB Bootable CompactFlash® Card

Industrial "Node" computer

DC24V

VGA to 1920x1080

**PS3001B**

Models: PS3001-BD Series  
CPU: Intel® ULV Celeron® M 600 MHz

Factory Alert System Windows® XP  
CF Card Windows® XP Embedded  
WinGP



**Features:**

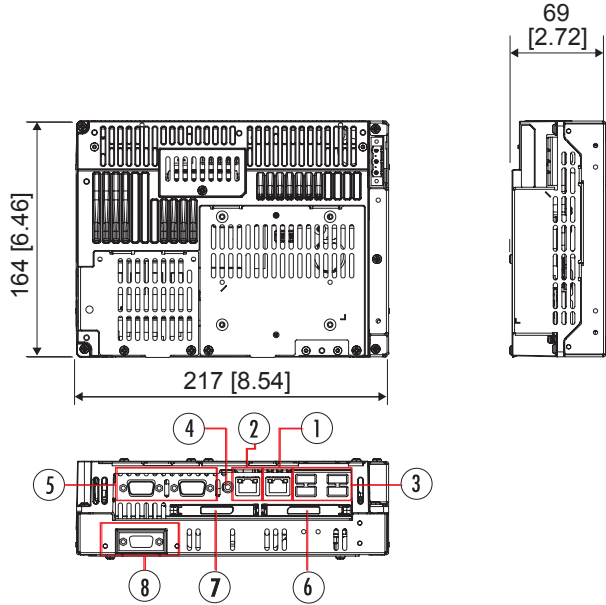
- Intel® ULV Celeron® M 600 MHz
  - 2, 8, or 16GB Bootable CompactFlash® Card
  - Windows XP Pro or Windows XP Embedded
  - Compact Space Saving Design
  - Fanless Design
  - Flexibility to remotely mount from display
  - Use as Remote PC Access, "RPA" server for Pro-face AGP3000s
  - Use as a Data gathering terminal with "Pro-Server EX" for Pro-face AGP3000s
  - Integrated Factory Alert System \*1
- On-demand HMI WinGP Option:**
- Use PC as On-demand Touch Screen HMI
  - Allows 3rd Party Applications to Run Concurrently:
    - SPC, Vision, SCADA, MRP
  - Expands PC Hardware and Data Connectivity Options

Performance Specifications	
Models	PS3001-BD Series - Build to order (See reverse side for ordering information)
Supported OS	Windows® XP Pro* (XPC08, XPC16) (*This version of XP Pro includes English, French, Spanish, Brazilian Portuguese, Japanese, Simplified and Traditional Chinese Languages), Windows® XP Embedded Multi-language (EM2G)
CPU	Intel® ULV Celeron® M 600 MHz
Standard Memory	512 MB SO-DIMM Standard, 1 GB SO-DIMM Optional
Maximum Memory	1 Slot (Max. 1 GB) SO-DIMM socket (PC2700)
Graphics Display Resolution	640x480 (VGA) to 1920x1080
Video Memory	Max. 64 MB (When using Windows®) UMA Type
Serial	COM1: RS 232C, D-sub 9 pin (plug) COM2: RS 232C, D-sub 9 pin (plug) (422 / 485, RI/+5V switchable)
LAN	Rear 2 ports. RJ-45 type modular jack connector (8 pins) LAN1: auto change to 10BASE-T/100BASE-TX LAN2: auto change to 10BASE-T/100BASE-TX/1000BASE-T (supports Wake On LAN)
Disk	2-16GB CF Card I/F (not hot-swappable). Switchable to Master by hardware setting..

\*1 The Factory Alert System is equipped without RAS port.

General Specifications	
Models	PS3001-BD Series
Input Voltage	DC 24V (Rated Voltage DC19.2 to 28.8V)
Power Consumption	40W or less
Allowable Voltage Drop	5 msec or less
Voltage Endurance	AC500V 20mA for 1 minute (between charging and FG terminals)
Insulation Resistance	DC500V 10MΩ(min.) (between charging and FG terminals)
Certifications	UL508, CSA-C22.2 No.142-M1987, CE (EN55011 Class A, EN61000-6-2), RoHS
Temperature	0 to 50°C (32 to 122°F) (Storage Temperature -20 to +60°C (-4 to 140°F))
Humidity - Ambient/Storage	10 to 90% RH (Not condensing, wet bulb temperature: 39°C (102.2°F) or less).
Corrosive Gas	Free of corrosive gases
Noise Immunity	Noise Voltage: 1500Vp-p, Pulse Duration: 50ns, 500ns, 1µs, Rise Time: 1ns (via noise simulator)
Cooling Method	Natural Air Circulation
Electrostatic Discharge Immunity	6kV (complies with EN 61000-4-2 Level 3)
Vibration Resistance	IEC61131-2 compliant, 5 to 9Hz single-amplitude 3.5mm, 9 to 150Hz Fixed acceleration: 9.8m/s². X,Y,Z directions for 10 cycle (100 minute)
Weight	Approx. 2.0kg [4.4lb] max. (unit only)
External Dimensions	W255mm [10.04in] x H164mm [6.46in] x D68.8mm [2.71in]
Warranty	Two (2) year

**PS-3001B**



**Parts Names**

- ① Ethernet Connector  
(10 Base-T/100 Base-TX Auto change)
- ② Ethernet Connector  
(10BASE-T/100BASE-TX/1000BASE-T Auto change)
- ③ USB Connector (USB)
- ④ Speaker Output Connector
- ⑤ RS-232C Connector
- ⑥ CF Card Slot (IDE Connection: Primary)
- ⑦ CF Card Slot (IDE Connection: Secondary)
- ⑧ Analog RGB Connector

**Ordering Information**

**PS3001-BD-**

Memory: \_\_\_\_\_  
 5M.....512 MB  
 1G.....1 GB

Operating System: \_\_\_\_\_  
 EM2G.....2 GB CF w/ XPe ML  
 XPC08 8GB Compact Flash\* w/XP Pro\*  
 XPC16 16GB Compact Flash w/XP Pro\*

Secondary Storage \_\_\_\_\_  
 Blank.....No Secondary Storage

Open HMI: \_\_\_\_\_  
 Blank...No HMI Software Included  
 WG.....WinGP Installed

\* The languages included with this version of Windows XP Pro are English, French, Spanish, Brazilian Portuguese, Japanese, Simplified and Traditional Chinese.

**Optional Items**

Product Name		Part Number
SO-DIMM Memory Module	512 MB	PSA-DDR512
	1 GB	PSA-DDR1G
CF Card *1	256MB	CA3-CFCALL/256MB-01
	512MB	CA3-CFCALL/512MB-01
	1GB	CA6-CFCALL/1GB-01
	2GB	CA8-CFCALL/2GB-01
	8 GB	144766
Installation Fasteners *2 (replacement) (2 fasteners and 4 screws)		PS3000-ATFB-01
DC Connector (replacement)*2		CA7-DCCNL-01
USB Cable to FP monitor (5m)		FP-US00
Analog RGB Cable (4.5m)		FP-CV02-45

\*1 Does not include an operating system. \*2 Standard attachment

**Caution:** Before operating any of these products, please be sure to read all related manuals thoroughly.  
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## Avertissement concernant la Proposition 65 de Californie—Plomb et composés de plomb

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