![Pro-face Logo] Your HMI and Industrial PC Authority

Industrial "Node" PC - PS3000B Series

Open HMI Option: WinGP

8 GB or 2 GB Bootable CompactFlash®

16-64GB Solid State Drive

Industrial "Node" computer

PS3000B

Models:PS3000B Series
CPU: Intel® ULV Celeron® M 1.0 GHz

AC100/240V

VGA to 1920x1080

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

UL LISTED | CSA | CE | Ro

Features:
- Intel® ULV Celeron® M 1.0 GHz
- 40 GB Hard Drive, 2 or 8 GB CF Drive, or 16-64 GB SSD (Solid State Drive)
- Windows XP Pro or Windows XP Embedded
- Compact space saving design
- Flexibility to remotely mount from display
- Use as Remote PC Access, "RPA" server for Pro-face AGP3000s
- RoHS Directive-conforming
- Integrated Factory Alert System *1
- SSD (Solid State Drive) for reliability and faster data access

Extensive Interfaces:
- Two serial ports - 1 x RS-232, 1 x RS-232/422/485
- RGB Video Output
- One PCI slot for broad connectivity
- Two Ethernet ports (one with Wake On LAN)
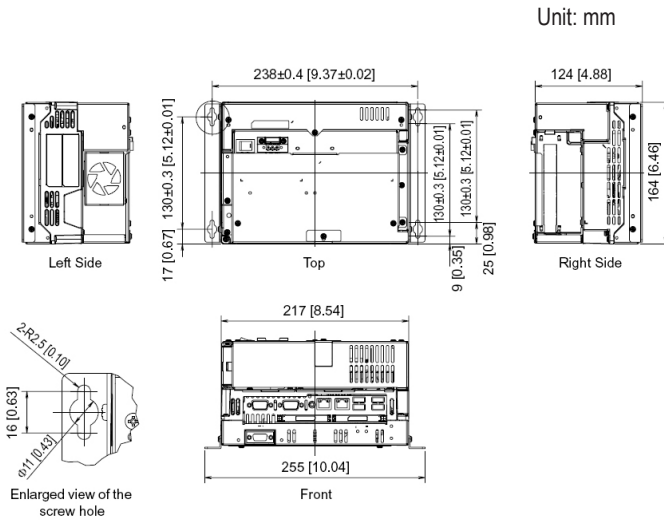- Four USB ports
- Speaker output jack

Open 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

Model	PS3000B Series - Build to order (See reverse side for ordering information)
Supported OS	Windows® XP Multi-language (XM40, XM16SA, XM32SA, XM64SA), Windows® XP Pro* (XPC08) (*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 1.0 GHz
Standard Memory	1 GB SO-DIMM
Maximum Memory	1 Slot (Max. 1 GB) SO-DIMM socket
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)
USB	USB 2.0 Compatible - 4 Ports
Sound	Stereo speaker output, rear 1 port (3.5mm jack)
Disk	IDE I/F, Master: 2.5 inch 40GB HDD. or 16-64GB SSD Slave: CF Card I/F (not hot-swappable). Switchable to Master by hardware setting
PCI	Rev.2.2 compatible PCI I/F (5V) 1 Port Slot Length: Depth 174.63mm[6.88in.] x Height 106.68mm[4.2in.]

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

General Specifications

Model	PS3000B Series
Input Voltage	AC100 to 240V (Rated Voltage AC85 to 264V)
Power Consumption	120VA or less
Allowable Voltage Drop	1 cycle or less (Voltage drop interval must be 1s or more.)
Voltage Endurance	AC1500V 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, EN60950-1), RoHS
Temperature	0 to 50°C (32 to 122°F) without HDD; 5 to 50°C (41 to 122°F) with HDD (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). Wet bulb temperature with HDD; 29°C or less (84.2°F)
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	Forced Air Cooling by Fan
Electrostatic Discharge Immunity	6kV (complies with EN 61000-4-2 Level 3)
Vibration Resistance	IEC61131-2 compliant: Without HDD - 5 to 9Hz half-amplitude 3.5mm, 9 to 150Hz constant-accelerated velocity 9.8m/s². X,Y,Z directions for 10 cycle (100 minute) With HDD - 10 to 25 Hz Single amplitude: 0.075 mm (0.003in) 57 to 150 Hz Fixed acceleration: 4.9m/s2 , X, Y, Z directions 10 cycles (for 30 minutes)
Shock During Operation	EN/IEC 60068-2-27 compliant, 147m/Sec, 11msec (Approx. 15G), 3 shocks to 3 direction/ axis
Weight	Approx. 3.0kg [6.6lb] max. (unit only)
External Dimensions	W255mm [10.04in] x H164mm [6.46in] x D124mm [4.88in]
Warranty	Two (2) year

PS3000B - External Dimensions

Unit: mm

Left Side   Top   Right Side

238±0.4 [9.37±0.02] 124 [4.88] 164 [6.46] 17 [0.67] 130±0.3 [5.12±0.01] 130±0.3 [5.12±0.01] 130±0.3 [5.12±0.01] 9 [0.35] 25 [0.98]

2-R2.5 [0.10] 16 [0.63] φ11 [0.43]

Enlarged view of the screw hole

217 [8.54] 255 [10.04]

Front

Mounting Dimensions

Unit: mm

◆ Horizontal mounting / Wall mounting 1

4-M4 [0.16]
130±0.3 [5.12±0.01] 164 [6.46] 25 [0.98] 217 [8.54] 238±0.3 [9.37±0.01] 255 [10.04]

Vertical panel
Horizontal panel

Horizontal mounting   **Wall mounting 1**

◆ Wall mounting 2

4-M4 [0.16] 164 [6.46]
217 [8.54] 238±0.3 [9.37±0.01] 255 [10.04]
130±0.3 [5.12±0.01] 25 [0.98]

Vertical panel

Wall mounting 2

Ordering Information

PS3000 - BA - 1G - _____ - __

Operating System:
- XM40....40 GB HDD w/ XP ML
- EM2G.....2 GB CF w/ XPe ML
- XPC08..8 GB CF w/ XP Pro*
- XM16SA..16GB SSDw/XP ML
- XM32SA..32GB SSDw/XP ML
- XM64SA..64GB SSDw/XP ML

Secondary Storage
- Blank......No Secondary Storage
- NO40......40GB HDD
- NO16SA..16GB SSD
- NO32SA..32GB SSD

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.
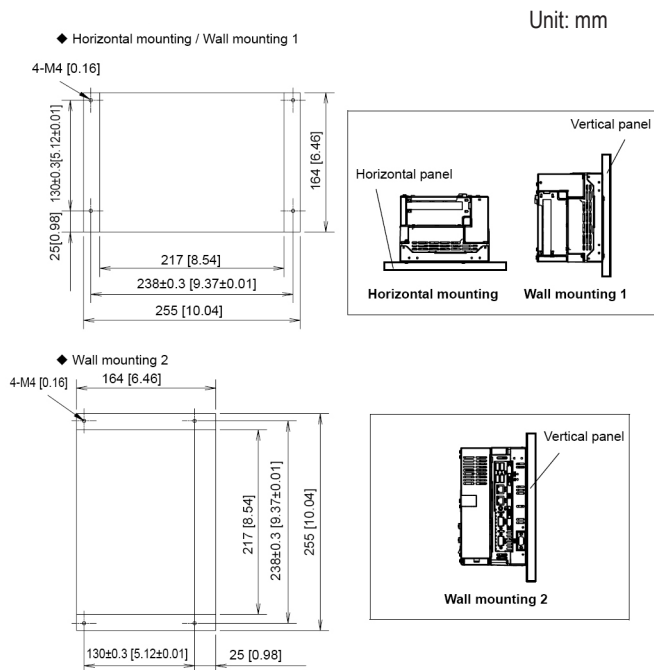
Optional Items

Product Name		Part Number
SO-DIMM Memory Module	1 GB	PSA-DDR1G
HDD Unit *1	40 GB	PS345XA-HD40 (Replacement)
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 (replacement) (2 fasteners and 4 screws)		PS3000-ATFB-01
AC Connector (replacement)		CA7-ACCNL-01
USB Cable to FP monitor (5m)		FP-US00
Analog RGB Cable (4.5m)		FP-CV02-45

*1 Not installed with operating system.

Caution: Before operating any of these products, please be sure to read all related manuals thoroughly.
- All product names used in this document are trademarks or registered trademarks of their respective companies.
- All information contained in this document is subject to change without notice.

USB Cable

Video Cable