8.4" Panel Computer - PS3450A Series

Open HMI
Option:
WinGP

**TouchPanel
Operation**

8 GB or 2 GB Bootable
CompactFlash® Card

16-64GB Solid State
Drive

8.4-inch TFT Color LCD
Panel Computer

PS-3450A

| AC100/240V |
| 24VDC |
| SVGA |

8.4-inch

Models: PS3450-T41 Series
CPU: Intel® ULV Celeron® M 1.0 GHz (AC model)
Intel® ULV Celeron® M 600 MHz (DC model)

All-in-one model | Windows® XP
Factory Alert System | Windows® XP Embedded
SSD | WinGP
CF Card

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Features:
- 8.4-inch (SVGA 800 × 600) TFT Touch Panel Computer
- Intel® ULV Celeron® M 1.0 GHz (AC model) Intel® ULV Celeron® M 600 MHz (DC model)
- 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
- Integrated Factory Alert System.*1
- SSD (Solid State Drive) for reliability and faster data access
- NEMA 4/4x/12 Rated

- RoHS Directive-conforming
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
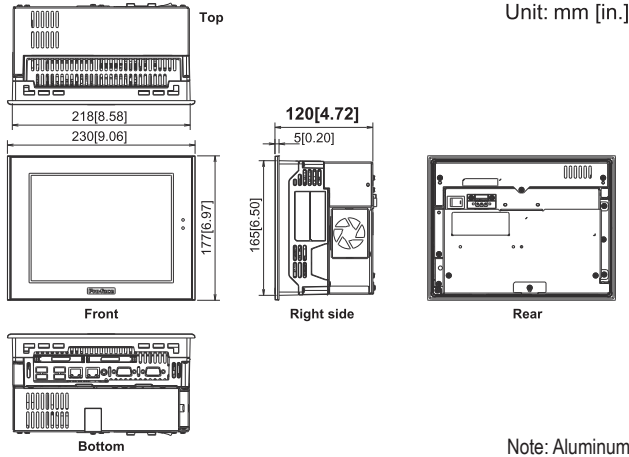
Performance Specifications

Model	PS3450-T41 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 (AC model) Intel® ULV Celeron® M 600 MHz (DC model)
Standard Memory	1 GB SO-DIMM
Maximum Memory	1 Slot (Max. 1 GB) SO-DIMM socket
Graphics Display Resolution	SVGA (800 × 600 dots)
Video Memory	Max. 64 MB (When using Windows©) UMA Type
Display Type and Size	TFT Color LCD (8.4 inch)
Display Colors	262,144 Colors
Display Area	W 172.4mm [6.79in] x H 129.8mm [5.11in]
Touch Screen	Resistive Film (Analog)
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 (Support Wake On Lan)
USB	USB 2.0 compatible rear 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	PS3450-T41 Series	PS3450-T41-24V
Input Voltage	AC100 to 240V (Rated Voltage AC85 to 265V)	24V DC (Rated Voltage DC19.2 to 28.8V)
Power Consumption	120VA or less	65W or less
Allowable Voltage Drop	1 cycle or less (Voltage drop interval must be 1s or more.)	5ms (max.)
Voltage Endurance	AC1500V 20mA for 1 minute (between charging and FG terminals)	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, EN60950-1 (AC Only)), 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	
Rating	Equivalent to IP65f, NEMA #250 TYPE 4/4X/12	
Weight	Approx. 4.0kg [8.8lb] max. (unit only)	
External Dimensions	230mm [9.06in.] W x 177mm [6.97in.] H x 120mm [4.72in.] D (not including connectors)	
Warranty	Two (2) year	

PS-3450A - External Dimensions

Top

Unit: mm [in.]

218[8.58]
230[9.06]

120[4.72]
5[0.20]

177[6.97]
165[6.50]

Front

Right side

Rear

Bottom

Note: Aluminum Housing

Panel Cut Dimensions

Unit: mm [in.]

218.5 $^{+1}_{-0}$ [8.6 $^{+0.04}_{-0}$]

Under 4-R3[0.12]

165.5 $^{+1}_{-0}$ [6.52 $^{+0.04}_{-0}$]

Panel Cut

Ordering Information

PS3450____ **- 1G -**_____ **-** __

Power Supply:
   TA-CM10.....AC
   A-TD.....DC

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.
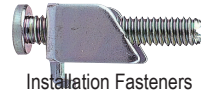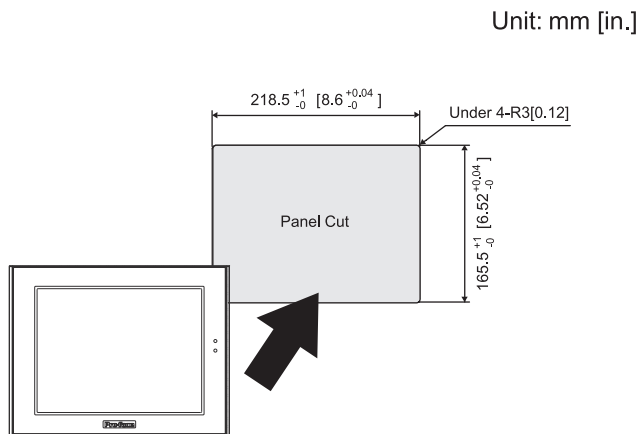
Optional Items

Product Name		Part Number
SO-DIMM Memory Module	1 GB	PSA-DDR1G
HDD Unit *2	40 GB	PS345XA-HD40 (Replacement)
CF Card *2	512MB	CA3-CFCALL/512MB-01
	1GB	CA6-CFCALL/1GB-01
	2GB	CA8-CFCALL/2GB-01
	8GB	144766
Installation Gasket *1		CA7-WPG8-01
Installation Fasteners *1		CA3-ATFALL-01
AC Power Connector *1		CA7-ACCNL-0
DC Power Connector *1		CA7-DCCNL-01
Screen Protection Sheet (5 sheets/set)		CA7-DFS8-01

*1 Standard attachment for all models.
*2 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.

Installation Fasteners

Pro-face CF Card

Customer Service Hotline: 734.944.0482

For more information
ACCESS www.profaceamerica.com

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