

8.4" Panel Computer - PS3451A Series



8GB or 2 GB Bootable CompactFlash® Card



16-64GB Solid State Drive

8.4-inch TFT Color LCD Panel Computer

PS-3451A

Model: PS3451-T41 Series, CPU: Intel ULV Celeron M 600 MHz

24VDC

SVGA

8.4-inch

All-in-one model

Windows® XP

Factory Alert System

Windows® XP Embedded

SSD

WinGP

CF Card



Features:

- 8.4-inch (SVGA 800 x 600) TFT Touch Panel Computer
- Intel® ULV Celeron® M 600 MHz
- 40 GB Hard Drive, 2 or 8GB CF Drive, or 16-64 GB SSD (Solid State Drive)
- Windows XP Pro or Windows XP Embedded
- Fanless Design
- NEMA 4/4X/12 Rated
- RoHS Directive-conforming
- SSD (Solid State Drive) for reliability and

faster data access

- 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

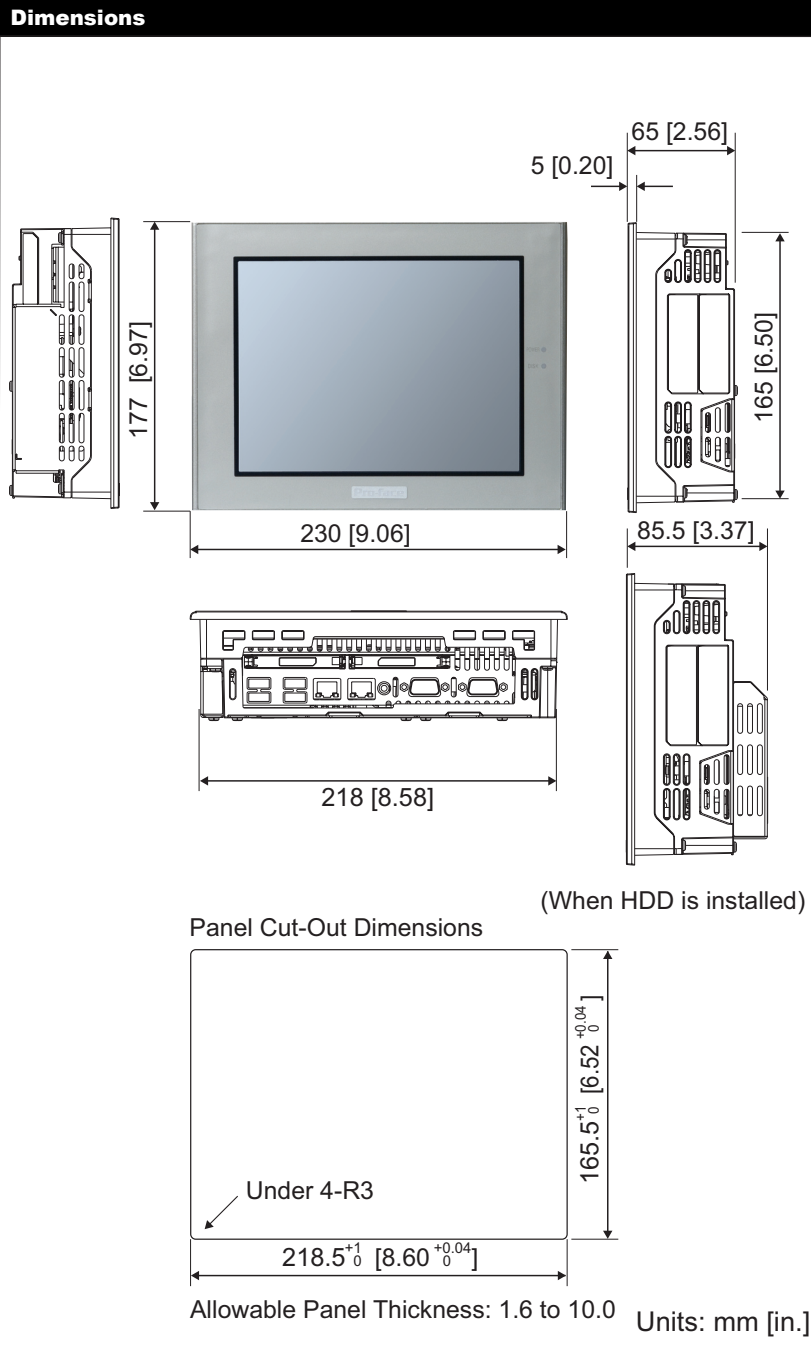
Performance Specifications

Models	PS3451A 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 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)
Display Resolution	SVGA (800 x 600)
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 (Supports Wake-On LAN)
USB	USB 2.0 compatible, 4 rear ports
Sound	Speaker output, (Mini-pin jack x 1)
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.

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

General Specifications

Models	PS3451A Series (DC Models)
Input Voltage	24V DC (Rated Voltage 19.2 to 28.8V)
Power Consumption	40W or less
Allowable Voltage Drop	5ms 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 Ambient/Storage	0 to 50°C (32 to 122°F) without HDD; 5 to 45°C (41 to 113°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: 29°C (84.2°F) or less). / Storage Humidity 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: 1000Vp-p, Pulse Duration: 50ns, 500ns, 1µs Rise Time: 1ns (via noise simulator)
Cooling Method	Natural Air Cooling by Heat Sink
Electrostatic Discharge Immunity	6kV (complies with EN 61000-4-2 Level 3)
Vibration Resistance	Without HDD - IEC61131-2 compliant, 5 to 9Hz single-amplitude 3.5mm, 9 to 150Hz constant-accelerated velocity 9.8m/s². X,Y,Z directions 10 cycles (for 100 minutes) 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)
Rating	Equivalent to IP65f NEMA #250 TYPE 4/4X/12.
Weight	Approx. 3.5 kg [7.7 lb] max. (main unit only)
External Dimensions	230 mm [9.06 in.] W x 177 mm [6.97 in.] H x 65 mm [2.56 in.] D
Warranty	Two (2) years



Ordering Information

PS3451A-T41-24V- - - -

Memory: _____
 5M.....512 MB
 1G.....1 GB

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	512 MB	PSA-DDR512
	1 GB	PSA-DDR1G
HDD Unit *2	40 GB	PS345XA-HD40
CF Card*2	512MB	CA3-CFCALL/512MB-0
	1GB	CA6-CFCALL/1GB-01
	2GB	CA8-CFCALL/2GB-01
	8 GB	144766
USB Front Cable		CA5-USBEXT-01
Installation Gasket *1		CA7-WPG8-01
Installation Fasteners *1		CA3-ATFALL-01
Backlight *1 (2 pieces/set for 1 unit)		CA7-BLU8-01
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.
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California Proposition 65 Warning—Lead and Lead Compounds

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