

# 12.1" Panel Computer - PS3651A-T42/T42S Series

**Fanless**

**Open HMI Option: WinGP**



TouchPanel Operation

8 GB or 2 GB Bootable CompactFlash® Card

16-128GB Solid State Drive

12.1-inch TFT Color LCD Panel Computer

AC100/240V  
24VDC  
XGA

**12.1**-inch

**PS-3651A**

Model: PS3651-T42/T42S Series,

CPU: Intel ULV Celeron M 1.0 GHz

All-in-one model  
Factory Alert System  
SSD  
CF Card

Windows® XP  
Windows® XP Embedded  
WinGP



**Features:**

- 12.1-inch (XGA 1024x768) TFT Touch Panel Computer
- Intel® ULV Celeron® M 1.0 GHz
- 250GB Hard Drive, 2 or 8GB CF Drive, 16-128GB SSD (Solid State Drive)
- Windows XP Pro or Windows XP Embedded
- Fanless Design
- NEMA 4/4X/12 Rated
- RoHS Directive-conforming

- Integrated Factory Alert System with Output Port<sup>1</sup>
- SSD (Solid State Drive) for reliability and faster data access
- **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**

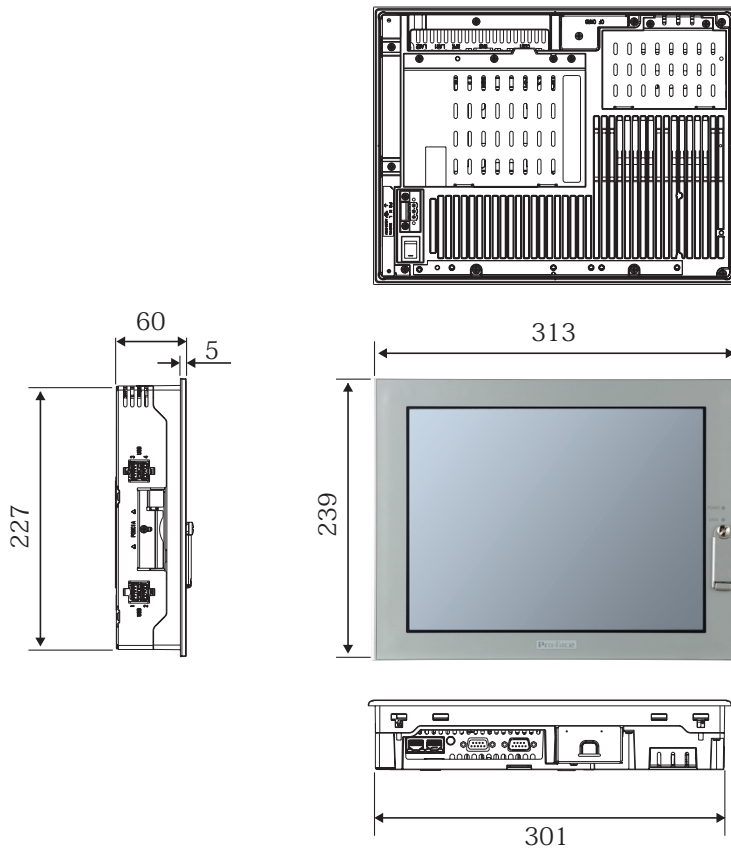
Models	PS3651A-T42/T42S Series - Build to order (See reverse side for ordering information)
Supported OS	Windows® XP Multi-language (XM250, XM16SA, XM32SA, XM64SA, XM128SA), Windows® XP Pro* (XPC08) (*This version of XP Pro includes English, French, Spanish, Brazilian Portuguese, Japanese, Simplified and Traditional Chinese Languages), Windows® XP Embedded Multi-language (EM2G)
CPU	Intel® ULV Celeron® M 1.0 GHz
Standard Memory	512 MB SO-DIMM Standard, 1 GB SO-DIMM Optional
Maximum Memory	1 Slot (Max. 1 GB) SO-DIMM socket (PC2700)
Display Resolution	XGA (1024 x 768 dots)
Video Memory	Max. 64 MB (When using Windows®) UMA Type
Display Type and Size	TFT Color LCD (12.1 inch)
Display Colors	262,144 Colors
Display Area	W 245.76mm [9.68in.] x H 184.32mm [7.26in.]
Touch Screen	Resistive Film (Analog)
Serial	<PS3651A-T42> COM1: RS 232C, D-sub 9 pin (plug) (422 / 485, RI/+5V switchable) COM2: None <PS3651A-T42S> COM1: RS 232C, D-sub 9 pin (plug) (422 / 485, RI/+5V switchable) COM2: RS 232C, D-sub 9 pin (plug) (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/100BASE-T (Supports Wake-On LAN)
USB	USB 2.0 compatible, 4 rear ports: USB 1.1 compatible, 1 front port; Switchable to Disable by hardware setting
Sound	Speaker output, (Mini-pin jack x 1)
Disk	IDE I/F, Master: 2.5 inch 250GB HDD. or 80-160GB SSD Slave: CF Card I/F (not hot-swappable). Switchable to Master by hardware setting.
PCMCIA	Side 1 port. PCMCIA Type II. Corresponding to CARD BUS (Excluding Video Zoom, SOUND functions)
RAS	<PS3651A-T42> D-Sub, 9-Pin Socket 1 port <PS3651A-T42S> <sup>1</sup> None

<sup>1</sup> Factory Alert System is equipped without RAS port.

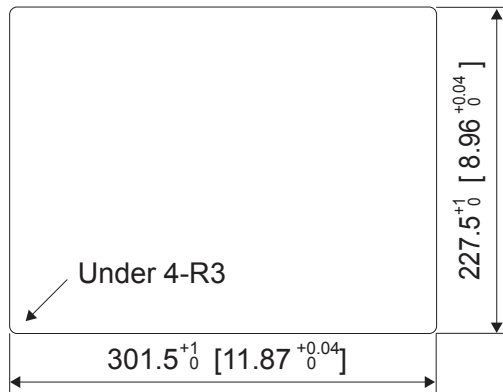
**General Specifications**

Models	PS3651A-T42/T42S Series (AC Models)	PS3651A-T42/T42S-24V Series (DC Models)
Input Voltage	AC100 / 240V (Rated Voltage AC85 to 264V)	24V DC (Rated Voltage 19.2 to 28.8V)
Power Consumption	95VA or less	40W or less
Allowable Voltage Drop	1 cycle or less (Voltage drop interval must be 1s or more.)	5ms or less
Voltage Endurance	AC1500V 20mA for 1 minute (between charging and FG terminals)	AC1000V 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	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: 1500Vp-p, Pulse Duration: 50ns, 500ns, 1µs Rise Time: 1ns (via noise simulator)	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/s <sup>2</sup> . X,Y,Z directions for 10 cycle (100 minutes) With HDD - 10 to 57 Hz Single amplitude: 0.0375 mm (0.003in) 57 to 150 Hz Fixed acceleration: 4.9m/s <sup>2</sup> . X, Y, Z directions for 10 cycles (80 minutes)	
Rating	Equivalent to IP65f NEMA #250 TYPE 4/4X/12.	
Weight	Approx. 3.8 kg [8.4 lb] max. (main unit only)	
External Dimensions	313 mm [12.32 in.] W x 239 mm [9.41 in.] H x 60 mm [2.36 in.] D	
Warranty	Two (2) years	

**External Dimensions**



**Panel Cut-Out Dimensions**



Allowable Panel Thickness: 1.6 to 10.0

**Ordering Information**

**PS3651A-T42**

Ports: \_\_\_\_\_  
 Blank...1 Serial/1 RAS  
 S.....2 Serial

Power Supply: \_\_\_\_\_  
 Blank....AC  
 24V.....DC

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

Operating System \_\_\_\_\_  
 XM250....250 GB HDD w/ XP ML  
 EM2G...2 GB CF w/ XP ML  
 XPC08..8 GB CF w/ XP Pro\*  
 XMSSDSA..80GB SSDw/XP ML

Secondary Storage \_\_\_\_\_  
 Blank.....No Secondary Storage  
 NO250.....250GB HDD  
 NOSSDSA..80GB 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	250 GB PS365XA-HD250
CF Card*2	512MB CA3-CFCALL/512MB-0
	1GB CA6-CFCALL/1GB-01
	2GB CA8-CFCALL/2GB-01
	8 GB 150638 *3
CF Card PCMCIA Adapter	GP077-CFAD10
USB Front Cable	CA5-USBEXT-01
Installation Fasteners *1	CA3-ATFALL-01
AC Power Connector *1	CA7-ACCNL-01
DC Power Connector *1	CA7-DCCNL-01
Screen Protection Sheet (5 sheets/set)	CA5-DFS10-01

\*1 Standard attachment for all models. \*2 Not installed with operating system.  
 \*3 Must be slave if used with another IDE device, otherwise set as master

**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.

**Pro-face America**  
 Phone: 734.477.0060  
 Fax: 734.864.7347  
 www.profaceamerica.com

**Customer Service Hotline: 734.944.0482**

For more information  
**ACCESS** www.profaceamerica.com

**Pro-face**  
for the best interface



# California Proposition 65 Warning—Lead and Lead Compounds

## Advertencia de la Proposición 65 de California—Plomo y compuestos de plomo

## Avertissement concernant la Proposition 65 de Californie—Plomb et composés de plomb

**⚠ WARNING:** This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**⚠ ADVERTENCIA:** Este producto puede exponerle a químicos incluyendo plomo y compuestos de plomo, que es (son) conocido(s) por el Estado de California como causante(s) de cáncer y defectos de nacimiento u otros daños reproductivos. Para mayor información, visite : [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**⚠ AVERTISSEMENT:** Ce produit peut vous exposer à des agents chimiques, y compris plomb et composés de plomb, identifiés par l'État de Californie comme pouvant causer le cancer et des malformations congénitales ou autres troubles de l'appareil reproducteur. Pour de plus amples informations, prière de consulter: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

All trademarks are the property of Schneider Electric SE, its subsidiaries, and affiliated companies.

**Schneider Electric USA, Inc.**  
800 Federal Street  
Andover, MA 01810 USA  
888-778-2733  
[www.schneider-electric.us](http://www.schneider-electric.us)

Todas las marcas comerciales son propiedad de Schneider Electric SE, sus filiales y compañías afiliadas.

Importado en México por:  
**Schneider Electric México, S.A. de C.V.**  
Av. Ejercito Nacional No. 904  
Col. Palmas, Polanco 11560 México, D.F.  
55-5804-5000  
[www.schneider-electric.com.mx](http://www.schneider-electric.com.mx)

Toutes les marques commerciales sont la propriété de Schneider Electric SE, ses filiales et compagnies affiliées.

**Schneider Electric Canada, Inc.**  
5985 McLaughlin Road  
Mississauga, ON L5R 1B8 Canada  
800-565-6699  
[www.schneider-electric.ca](http://www.schneider-electric.ca)