

# 15" Panel Computer - PS3711A-T42 Series

**Fanless**

**Open HMI Option: WinGP**

**TouchPanel Operation**



8 GB or 2 GB Bootable CompactFlash® Card



16-64GB Solid State Drive

15-inch TFT Color LCD Panel Computer

**PS-3711A**

Model: PS3711-T42 Series,  
CPU: Intel® ULV Celeron® M 1.0 GHz

AC100/240V

24VDC

XGA

15-inch

All-in-one model

Windows® XP

Factory Alert System

Windows® XP Embedded

SSD

WinGP

CF Card






## Features:

- 15-inch (XGA 1024x768) TFT Touch Panel Computer
- Intel® ULV Celeron® M 1.0 GHz
- 60GB Hard Drive, 2 or 8GB CF Drive, 16-64GB 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\*1
- SSD (Solid State Drive) for reliability and faster data access
- Class I, Div. 2 Hazardous Location
- 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

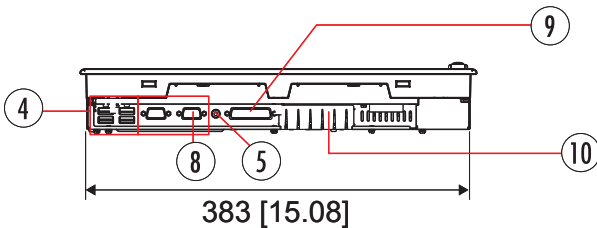
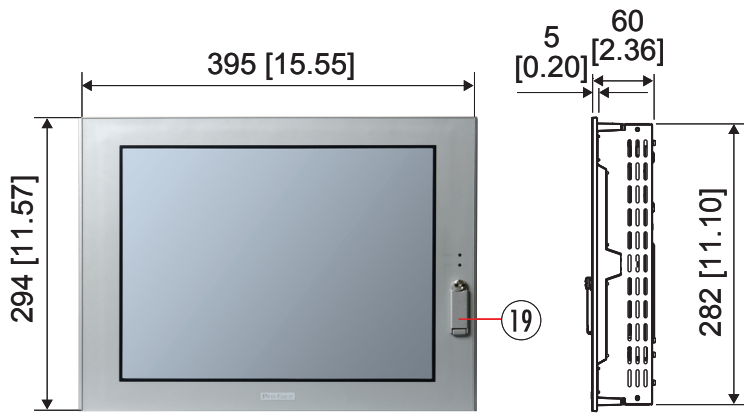
Models	PS3711A-T42 Series - Build to order (See reverse side for ordering information)
Supported OS	Windows® XP Multi-language (XM60, XM16S, XM16SA, XM32SA, XM64SA), Windows® XP Pro* (XPC08) (*This version of XP Pro includes English, French, Spanish, Brazilian Portuguese, Japanese, Simplified and Traditional Chinese Languages), Windows® XP Embedded Multi-language (EM2G)
CPU	Intel® ULV Celeron® M 1.0 GHz
Standard Memory	512 MB SO-DIMM Standard, 1 GB SO-DIMM Optional
Maximum Memory	1 Slots (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 (15 inch)
Display Colors	262,144 Colors
Display Area	W 304.1mm[11.97in.] x H 228.1mm[8.98in.]
Touch Screen	Resistive Film (Analog)
Serial	COM1: RS 232C, D-sub 9 pin (plug) (RI/+5V switchable) COM2: RS 232C, D-sub 9 pin (plug) (422 / 485 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, 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 60GB HDD, or 16-64GB SSD Slave: CF Card I/F (not hot-swappable). Switchable to Master by hardware setting.
PCMCIA	Side 2 ports. PCMCIA Type II, Type III. Corresponding to CARD BUS (Excluding Video Zoom, SOUND functions)
RAS*1	D-Sub, 25-Pin Socket 1 port

\*1 Factory Alert System is equipped with the built-in RAS interface.

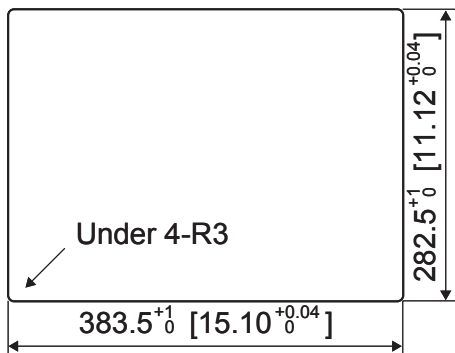
## General Specifications

Models	PS3711A-T42 Series (AC Models)	PS3711A-T42-24V Series (DC Models)
Input Voltage	AC100 / 240V (Rated Voltage AC85 to 264V)	24V DC (Rated Voltage 19.2 to 28.8V)
Power Consumption	70VA or less	90W 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 10MQ(min.) (between charging and FG terminals)	
Certifications	UL508, CSA-C22.2 No.142-M1987, ANSI/ISA-12.12.01-2007 (Class I, Division 2, Groups A, B, C, D Hazardous Locations), CSA-C22.2 No.213-M1987 (Class I, Division 2, Groups A, B, C, D Hazardous Locations), CE (EN55011 Class A, EN61000-6-2, EN60950-1(AC Model Only)), 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/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)	
Rating	Equivalent to IP65f NEMA #250 TYPE 4/4X/12.	
Weight	Approx. 6.0kg [13.2lb] max. (unit only)	
External Dimensions	395mm [15.55in.] W x 294mm [11.57in.] H x 60mm [2.36in.] D	
Warranty	Two (2) year	

**PS3711A-T42 Dimensions and Cutout**



**Panel Cut-Out Dimensions**



Allowable Panel Thickness: 1.6 to 10.0

**Ordering Information**

**PS3711A-T42-**

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

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

Operating System: \_\_\_\_\_  
XM60.....60 GB HDD w/ XP ML  
EM2G.....2 GB CF w/ XP ML  
XPC08.....8 GB CF w/ XP Pro\*  
XM16S.....16GB SSDw/XP ML  
XM16SA..16GB SSDw/XP ML  
XM32SA..32GB SSDw/XP ML  
XM64SA..64GB SSDw/XP ML

Secondary Storage: \_\_\_\_\_  
Blank.....No Secondary Storage  
NO60.....60GB 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	60 GB	PS371XA-HD60P
CF Card*2	512MB	CA3-CFCALL/512MB-0
	1GB	CA6-CFCALL/1GB-01
	2GB	CA8-CFCALL/2GB-01
	8 GB	144766
CF Card PCMCIA Adapter		GP077-CFADIO
Desktop Stand *3		CA4-STD15-01
Unit Cover		CA4-CVR15-01
Power Supply Unit*4		CA4-PWU15-01
Installation Fasteners *1		CA3-ATFALL-01
AC Power Connector *1		CA7-ACCNL-01
DC Power Connector *1		CA5-DCCNL-01
Screen Protection Sheet (5 sheets/set)		CA3-DFS15-01

- \*1 Standard attachment for all models.
- \*2 Not installed with operating system.
- \*3 Use in conjunction with unit cover.
- \*4 Does not support safety standard.

**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.
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