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

15" Panel Computer - PS3710A-TA2 Series (AC Model)

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-3710A
AC100/240V
XGA
15-inch

Model: PS3710A-TA2 Series

CPU: Intel Pentium M 1.6 GHz

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® Pentium® M 1.6 GHz
- 60 GB Hard Drive, 2 or 8 GB CF Drive, or 16-64 GB SSD (Solid State Drive)
- Windows XP Pro or XP Embedded
- DVD-ROM/Floppy Disk Drive
- NEMA 4/4x/12 Rated
- RoHS Directive-conforming
- SSD (Solid State Drive) for Reliability and faster data access
- Integrated Factory Alert System with Output Port *1
- Class I, Div. 2 Hazardous Location

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
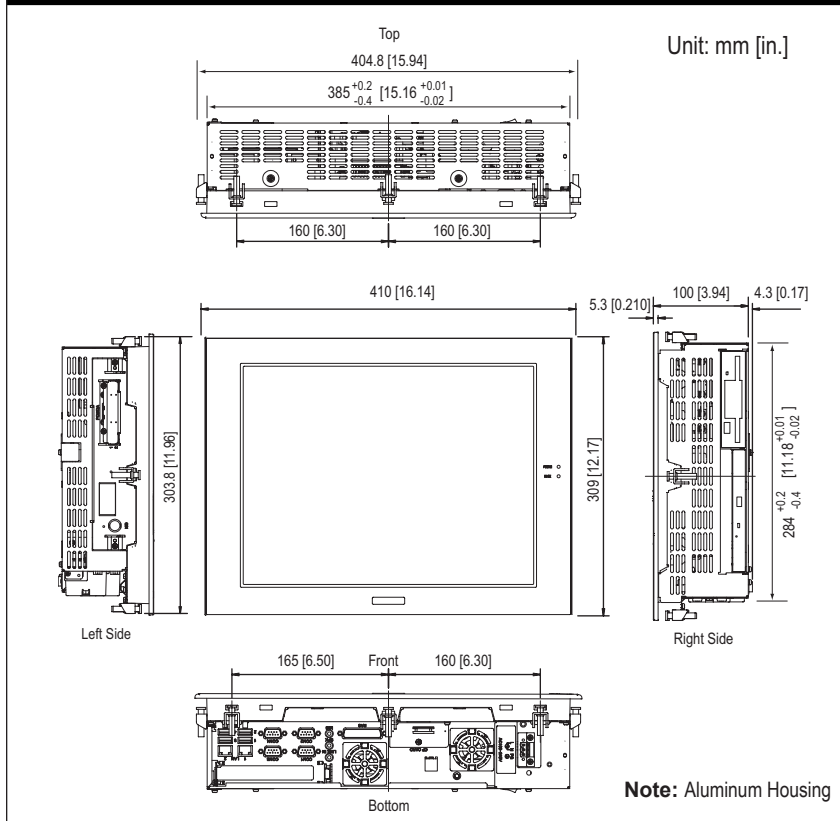
Performance Specifications

Model	PS3710A-TA2 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© Pentium© M 1.6 GHz
Standard Memory	1 GB SO-DIMM Standard, 2 GB SO-DIMM Optional
Maximum Memory	2 Slots (Max. 2 GB) SO-DIMM socket
Graphics 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) (RI/+5V switchable) COM3: RS 232C, D-sub 9 pin (plug) (RS-422/RS-485 switchable) COM4: RS 232C, D-sub 9 pin (plug)
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	Line In, Speaker output, MIC In, rear 3 ports (3.5mm jack x 3)
Video	RGB (VGA) output connector 1 port
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. DVD-ROM/Floppy Disk Drive
PCMCIA	Side 2 ports. PCMCIA Type II, Type III. Corresponding to CARD BUS (Excluding Video Zoom, SOUND functions)
PCI	Rev.2.2 compatible PCI I/F (5V) 1 Port. Slot Length: Depth 240mm[9.45in.] x Height 106.68mm[4.20in.]
RAS*1	D-Sub, 25pin Socket, 1 Port

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

General Specifications

Model	PS3710A-TA2 Series (AC Models)
Input Voltage	AC100 / 240V (Rated Voltage ᴬᶜ85 to 264V)
Power Consumption	150VA 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, 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), RoHS
Temperature	0 to 50°C (32 to 122°F) without HDD; 5 to 50°C (41 to 122°F) with HDD
Humidity - Ambient/Storage	10 to 90% RH (Not condensing, wet bulb temperature: 29°C (84.2°F) or less). Storage Temperature -20 to +60°C (-4 to 140°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 - 4.9m/s² (10 to 25Hz X, Y, Z directions for 30 minute)
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. 8.0kg [17.6lb] max. (unit only)
External Dimensions	410mm [16.14in.] W x 309mm [12.17in.] H x 100mm [3.94in.] D
Warranty	Two (2) year

PS-3710A - External Dimensions - North American Version

Unit: mm [in.]

Top

404.8 [15.94]

385 $^{+0.2}_{-0.4}$ [15.16 $^{+0.01}_{-0.02}$]

160 [6.30]   160 [6.30]

Left Side

410 [16.14]

5.3 [0.210]   100 [3.94]   4.3 [0.17]

303.8 [11.96]

309 [12.17]

284 $^{+0.2}_{-0.4}$ [11.18 $^{+0.01}_{-0.02}$]

Right Side

165 [6.50]   Front   160 [6.30]

Bottom

Note: Aluminum Housing

PS-3710A - Cut-Out Dimensions - North American Version

Unit: mm [in.]

386.1 $^{+1}_{-0}$ [15.20 $^{+0.04}_{-0}$]

Under 4-R3 [0.12]

284.5 $^{+1}_{-0}$ [11.20 $^{+0.04}_{-0}$]

Notes:
1. Cutout compatible with Xycom 4115T
2. VESA standard mounting available

Ordering Information

PS3710A-TA2-____ - _____ - ____

Memory:
   1G........1 GB
   2G........2 GB
Operating System:
   XM60....60 GB HDD w/ XP ML
   EM2G...2 GB CF w/ XPe 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.
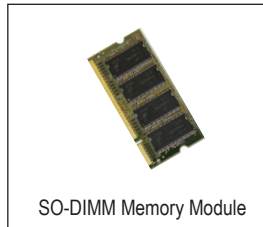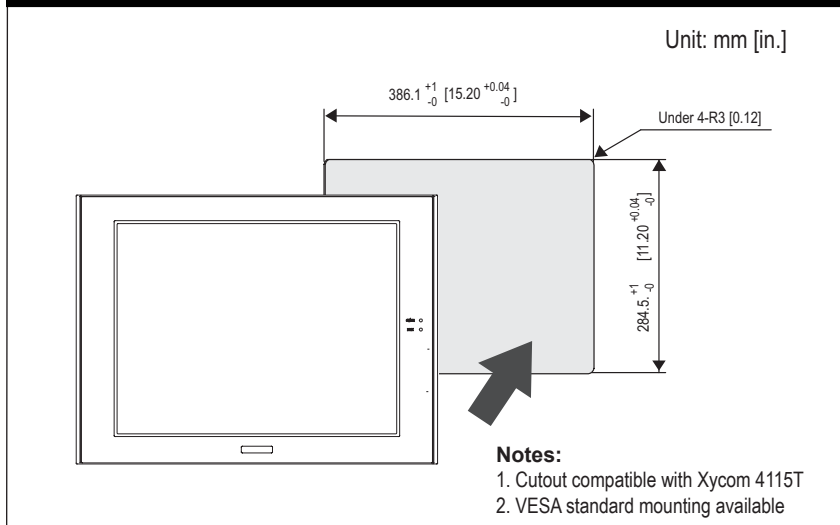
Optional Items

Product Name		Part Number
SO-DIMM Memory Module	1 GB	PSA-DDR1G
CF Card *2	512MB	CA3-CFCALL/512MB-01
	1GB	CA6-CFCALL/1GB-01
	2GB	CA8-CFCALL/2GB-01
	8 GB	144766
Installation Fasteners *1		CA3-ATFALL-01
AC Power Connector *1		CA7-ACCNL-01
Screen Protection Sheet (5 sheets/set)		CA3-DFS15-01

*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.

SO-DIMM Memory Module

Screen Protection Sheet