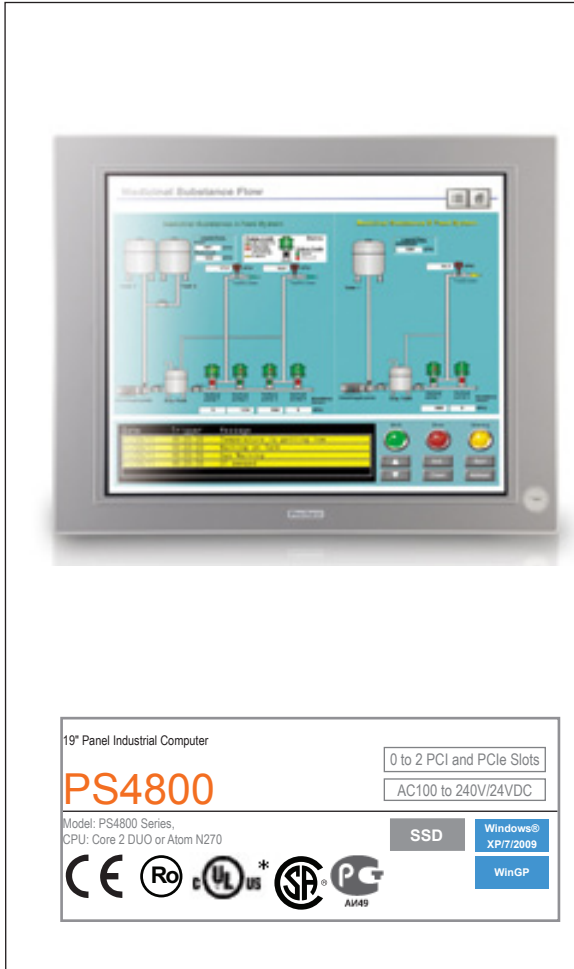


### PS4800 Industrial PC



#### Features:

- CPU: Core™2 Duo P8400 or Atom™ N270
- Quick & easy storage expansion
- High cost performance SSD available
- UPS battery options for data protection
- Intelligence Fan (Core™2 Duo P8400 model only)
- TFT Color LCD Display
- Power Consumption: 130W (max.)
- Cartridge HDD/SSD for easy maintenance

#### Performance Specifications

Models	PS4800 Series- Build to order (See reverse side for ordering information)	
Graphics Display Resolution	1,280 x 1,024 pixels (SXGA) TFT active matrix	
Display Type and Size	TFT Color LCD (19-inch)	
Display Colors	16 million	
Touch Panel	Analog resistive film	
Supported OS	[Core™2 Duo]: HDD or SSD: Windows® XP Professional SP3/Windows® 7 Ultimate (32 or 64 bit) [Atom]: HDD or SSD: Windows® XP Professional SP3/ Windows® 7 Ultimate 32 bit	
CPU	Core™2 Duo P8400 2.26 GHz or Atom N270 1.6 GHz	
L2 Cache Memory	Core™2 Duo: 3 MB or Atom: 512 KB	
Main Memory	Core™2 Duo: 2 to 8 GB (DDR3 1066 MHz) Atom: 1 to 3 GB (DDR2 533 MHz)	
Video Memory	Core™2 Duo: Up to 384 MB Atom: Up to 224 MB (only available on 1 or 2 slot models) <sup>1,2</sup>	
Interface	Serial ATA	Slide-in Disk: (HDD or SSD) x1 Slide-in Slot: (HDD or SSD or DVD-RW) x1 <sup>4</sup>
	IDE	CF slot (Type-I) x1
	Serial (COM1)	RS-232C (D-Sub 9-pin, plug)
	Serial (COM2)	RS-232C (D-Sub 9-pin, plug)
	Serial (COM3)	RS-232C/422/485 (Optional)
	Ethernet (LAN1)	10/100/1000 Mbit/s (RJ-45 Modular jack)
	Ethernet (LAN2)	10/100/1000 Mbit/s (RJ-45 Modular jack)
	USB (TYPE-A)	USB 2.0 x5 <sup>3</sup>
	Video	DVI-I x1
	Expansion Slot	1 slot (PCI x1) 2 slots (PCI x1, PCI Express x1)

<sup>1</sup> Unable to be added by users. <sup>2</sup> Reserved from main memory. <sup>3</sup> 4 USB in back, 1 USB in front. <sup>4</sup> 1 or 2 slots models only

#### General Specifications

Models	PS4800 (Build to Order)
Input Voltage	AC Power Model: 100 to 240 Vac, DC Power Model: 24 Vdc ±25 %
Power Consumption	130 W (max.)
In-Rush Current	AC Power Model: [100VAC]: Typ. 20 A (At cold start), [240VAC]: Typ. 40 A (At cold start)
Storage Temperature	-20 to +60 °C (-4 to +140 °F)
Certifications	UL508, CE (EN55011 Class A, EN61000-6-2, EN60950-1), RoHS, GOST, UL/c-UL, CSA C22.2 N°142, CSA C22.2 N°213, ANSI/ISA 12.12.01 Electrical Equipment for use in Class I Division 2. Hazardous Locations (Marine (GL) *Noise filter are required)
Surrounding Air Temperature	0 to 50 °C (32 to 122 °F)
Ambient/Storage Humidity	10 to 85 % RH (Wet bulb temperature: 29 °C (84.2 °F) max. - no condensation)
Corrosive Gas	Free of corrosive gases
Cooling Method	Core2 Duo: Passive heat sink and Fan kit with filter Fan speed is controlled by internal temperature. Fan does not operate unless internal temperature reaches the set temperature. Atom: Passive heat sink, Fanless operation for longer life time,
Air Pressure (altitude range)	2,000 m (6,560 ft) max
Vibration Resistance	<ul style="list-style-type: none"> <li>• Operation (continuous) for 6 Fc products with SSD or CF Card storage device.: 2 to 9 Hz: 1.75 mm (0.07 in.) 9 to 200Hz: 4.9 m/s2</li> <li>• Operation (continuous) for products with HDD storage device.: 5 to 100 Hz: 1.225 m/s2</li> <li>• Operation (occasional) for products with SSD or CF Card storage device.: 2 to 9 Hz: 3.5 mm (0.14 in.) 9 to 200 Hz: 9.8 m/s2</li> <li>• Operation (occasional) for products with HDD storage device.: 5 to 100 Hz: 2.450 m/s2</li> <li>• Merchant Navy (continuous): 3 to 13.2 Hz: 1 mm (0.04 in.) 13.2 to 100 Hz: 6.86 m/s2</li> <li>• Shock Resistance (in operation): 147 m/s2 for a duration of 11 ms (IEC 60068-2-27 Ea test)</li> </ul>
Electromagnetic Compatibility (EMC)	Immunity to High Frequency Interference. Electromagnetic Emissions Class A
Weight	[ Core2 Duo ] AC Power Model: 13.0 kg (28.7 lbs), DC Power Model: 12.5 kg (27.6 lbs) [ Atom ] AC Power Model: 12.0 kg (26.5 lbs) DC Power Model: 12.0 kg (26.5 lbs)
External Dimensions	Dimensions dependant on unit model. Please reference the PS4000 Manual for exact diminsions for specified unit.
Panel Cut-Out Dimensions	W459.5 x H359.5 mm [ W18.09 x H14.15 in. ]
Warranty	Two (2) years

**External Dimensions**

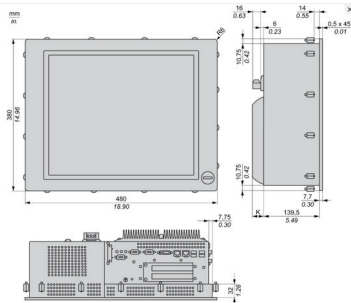
<External Dimensions>  
PS-4800 (2 Slots)  
AC Power Model

The following table provides the "K" measurement value depending on which heat sink is used:

Panel PC Range	"K" Value
Core 2 Duo P1840 Pre-installed Model (0, 1 or 2 slots)	28 mm (1.103 in.)
Atom N270 Pre-installed Model (0, 1 or 2 slots)	12.8 mm (0.503 in.)

The following table shows the general tolerance for the Panel PC dimensions:

Nominal Measurement	General Tolerance acc. DIN ISO 2768	
	Medium	
up to 6 mm (up to 0.236 in.)	± 0.1 mm (± 0.004 in.)	
6..30 mm (0.236..1.181 in.)	± 0.2 mm (± 0.0079 in.)	
30..120 mm (1.18..4.724 in.)	± 0.3 mm (± 0.012 in.)	



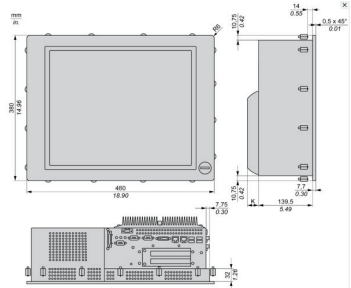
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PS-4800 (2 Slots)  
DC Power Model

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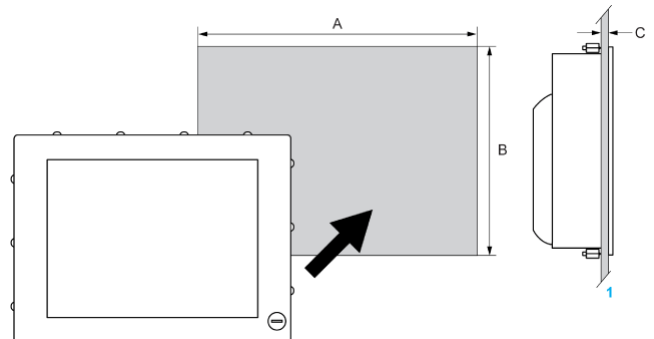
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**Panel-Cut Dimensions**



1: Installation panel

A	B	C
459.5 + 1/- 0 mm (18.09 + 0.04/- 0 in.)	359.5 + 1/- 0 mm (14.15 + 0.04/- 0 in.)	1.6...10 mm (0.06...0.39 in.)

**Ordering Information**

**PS4800-V1-**

Expansion Slot:

- Blank..... 0 Slot
- 1P..... 1 Slot - PCI
- 1P1E..... 2 Slot - 1 PCI/1 PCI Express

CPU Type:

- AN..... Atom N270
- CD..... Core DUO

Power Supply:

- A..... AC
- D..... DC

Memory

- 1G..... 1 GB in slot (Atom N270 Only)<sup>1</sup>
- 2G..... 2 GB in slot
- 3G..... 3 GB in slot (Atom N270 Only)<sup>1</sup>
- 4G..... 4 GB 2 GB/slot 1 + 2 GB/slot 2 (CORE™2 DUO Only)
- 6G..... 6 GB in slot (CORE™2 DUO Only)<sup>1</sup>
- 8G..... 8 GB in slot (CORE™2 DUO Only)<sup>1</sup>

Operating System

- XP..... Windows XP MUI
- W732..... Windows 7(32bit) Ultimate
- W764..... Windows 7(64bit) Ultimate (CORE™2 DUO Only)

Main Storage Device:

- Blank..... No Storage Device<sup>2</sup>
- PSD..... 32GB SSD
- SHD..... 250GB HDD
- SSD..... 80GB SSD<sup>3</sup>
- HSD..... 160GB SSD<sup>3</sup>

Slide in Equipment:

- Blank..... No Slide in Slot
- DVD..... DVD writer
- SHD..... HDD Standard (250GB)
- PSD..... SSD 32GB
- SSD..... SSD 80 GB<sup>3</sup>
- HSD..... SSD 160 GB<sup>3</sup>

Optional Equipment:

- Blank..... No Additional Options
- R..... True Mirror RAID (250GB HDD Only)<sup>3</sup>
- COM..... COM Expansion Board RS-232C/422/485<sup>4</sup>
- RCOM..... Com port + RAID (250GB HDD Only)

Software:

- Blank..... No Software
- WGP..... WinGP v.3.x<sup>5</sup>

Note: Please contact your sales representative to determine if the PC configuration is available as a standard option. There may be longer lead time for certain nonstandard configurations that require a Product Modification.

<sup>1</sup> Longer lead time. Contact Customer Care to order. Some combinations may not be available.  
<sup>2</sup> For standard RAID option, set storage to none.  
<sup>3</sup> These models are not globally supported. Supported in North/Central/South America only  
<sup>4</sup> Third Com Port is standard on Core2Duo. The Com Port addition is only available on Atom (N270) with long lead time (not available on the configurator).  
<sup>5</sup> Not for Windows 7 (64bit)