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by **Schneider** Electric

PE4000B Node Box

Description

The PE4000B is an industrial computer that can be embedded in data loggers, low-voltage power supply systems, and other equipment on the production work site. Compared to previous embedded industrial computers developed and manufactured by Pro-face, the new product is 60% smaller by volume and 38% lighter by weight.

The PE4000B Series industrial computer is equipped with up to six serial ports and three Ethernet ports, and responds to the need for peace-of-mind when used in conjunction with a data logger for data collection. It can also be used with automatic guided vehicles (AGVs), picking carts, and similar equipment powered by 12 to 24 V batteries.

The new PE4000B Series industrial computer can be combined with Pro-face's remote application software, Pro-face Remote HMI to enable remote confirmation and operation via a tablet or similar device. By supporting remote confirmation and operation, the need for a permanent monitor for embedded industrial computers can be eliminated, allowing the operator to check and operate machinery at any time using a tablet or smartphone.

Features

• Check real time production data, and check battery or location with Pro-face mobility solutions for remote access

• Highly compact design and mountable via DIN rail or directly, allowing freedom of product placement and convenient installation

• No moving/rotating parts such as fan or HDD

• Energy efficient design with low heat emission

• Available with either a 9 to 36 VDC or 12 to 24 VDC power supply in a total of six models

• Equipped with up to six serial ports, three Ethernet ports, five USB ports, and eight digital I/O ports

•CF/CFast card compatible with embedded OS and SSD for use in environments with a lot of vibration

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Atom N2600 – PE4000B

Fanless Industrial PC

General Specifications

Models	PE4000B
CPU	Intel Atom Dual Core N2600 1.6 GHz
Rated Input Voltage	12 to 24 Vdc ±5 %
Power Consumption	16 W (Typically)
External Dementions	264.5 x 69.19 x 133 mm (10.41 x 2.72 x 5.24 in.)
Storage Temperature	-40 to 85 °C (-40 to 185 °F)
Ambient Operating Temp	w/ air flow: 0 to 60 °C (32 to 140 °F)
	w/o airflow: 0 to 50 °C (32 to 122 °F)
Environmental Ratings	IP40
Certifications	CE, UL UL60950, RCM (C-Tick), EAC (GOST-R),
	RoHS, REACH, KC, CCC

Product Specifications

Part Number to Order	PFXPEBBD42DNN1	PFXPEBBD42CNN1	PFXPEBBD21BNN1	PFXPEBBD40NNN1
Operating System	Windows® Embedded Standard 7 (32bit)	Windows® Embedded Standard 7 (32bit)	Windows® Embedded Standard 2009 (32bit)	None
Storage	SSD 80GB	CFast Card 16GB	CFast card 8GB	None
Expansion Slot	Mini PCIe (full size) x 1	Mini PCIe (full size) x 1	Mini PCIe (full size) x 1	Mini PCIe (full size) x 1
RAM	4 GB (DDR3 800 MHz)	4 GB (DDR3 800 MHz)	2 GB (DDR3 800 MHz)	4 GB (DDR3 800 MHz)
Serial Port	RS-232C x2, RS-232/422/485 x4	RS-232C x2, RS-232/422/485 x4	RS-232C x2, RS-232/422/485 x4	RS-232C x2, RS-232/422/485 x4
Ethernet	x3	x3	x3	x3
USB	TypeA (USB2.0) x5	TypeA (USB2.0) x5	TypeA (USB2.0) x5	TypeA (USB2.0) x5
Digital I/O	8 bits (selectable I/O)	8 bits (selectable I/O)	8 bits (selectable I/O)	8 bits (selectable I/O)
Video Interface	Analog RGB x1, HDMI x1	Analog RGB x1, HDMI x1	Analog RGB x1, HDMI x1	Analog RGB x1, HDMI x1
Sound Interface	Line-in, Line-out, Mic-in	Line-in, Line-out, Mic-in	Line-in, Line-out, Mic-in	Line-in, Line-out, Mic-in

Atom N270 – PE4000B

Fanless Industrial PC

General Specifications

Models	PE4000B
CPU	Intel Atom N270 1.6 GHz
Rated Input Voltage	9 to 36 Vdc ±5 %
Power Consumption	15 W (Typically)
External Dementions	254.8 x 58.7 x 149.2 mm (10.03 x 2.31 x 5.88 in.)
Storage Temperature	-40 to 85 °C (-40 to 185 °F)
Ambient Operating Temp	w/ air flow: 0 to 70 °C (32 to 158 °F)
	w/o airflow: 0 to 60 °C (32 to 140°F)
Environmental Ratings	IP40
Certifications	CE, UL UL60950, RCM (C-Tick), EAC (GOST-R),
	RoHS, REACH, KC, CCC

Product Specifications

Part Number to Order	PFXPEBAD21ANN1	PFXPEBAD20NNN1
Operating System	Windows® Embedded Standard 2009 (32bit)	None
Storage	CF Card 8GB	None
Expansion Slot	Mini PCIe (half size) x 1	Mini PCIe (half size) x 1
RAM	2 GB (DDR2 533 MHz)	2 GB (DDR2 533 MHz)
Serial Port	RS-232C x2	RS-232C x2
Ethernet	x1	x1
USB	TypeA (USB2.0) x2	TypeA (USB2.0) x2
Digital I/O	n/a	n/a
Video Interface	Analog RGB x 1	Analog RGB x 1
Sound Interface	n/a	n/a

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by **Schneider** Electric

PS4000B Node Box

The PS4000B features an Core™2 Duo P8400 or Atom™ N270 processor, creating a powerful system for any production floor. Its aluminum housing adds to the PCs durability, while its multiple I/O ports lend to its flexibility.

Mate this industrial computer with one of Pro-face's Flat Panel Monitors for a complete industrial computing solution. The PS4000B can also be installed remotely from one of our FP3000 Series units.

3D CAD **360**

General Specifications

Models	PS4000B (Build to Order)
Operating System	Windows® XP Professional SP3, Windows® 7 Ultimate,
	Windows® Embedded Standard 2009, Windows® Embedded Standard
Serial Port (COM)	RS-232C x2
Ethernet Interface	x2
USB	TypeA (USB2.0) x5
Storage Temperature	-20 to 60 °C (-4 to 140 °F)
Ambient Operating Temp	0 to 50 °C (32 to 122 °F)
Environmental Ratings	IP20
Rated Input Voltage	24 Vdc ±25 %
Power Consumption	90 W (Core 2 Duo), 60W (Atom)
External Dimensions	W217 x H270 x D251 mm (W8.54 x H10.63 x D9.89 in.)

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PS4000B Node Box

Product Options		Configure PS4000B	Find Distributor

Expansion Slot	1 slot = 1 PCI 2 slots = 1 PCI + 1 PCIe(x4) 2 slots = 2 PCI 5 slots = 2 PCI + 3 PCIe(x1) 5 slots = 4 PCI + 1 PCIe(x1)
CPU Type	Atom N270 Core 2 Duo P8400
Power Supply	DC DC with I/F for UPS battery unit DC with Noise Filter for Marine Certification DC with I/F for UPS battery unit and Noise Filter for Marine Certification
RAM	1GB 2GB 3GB (2GB+1GB) 4GB (2GB+2GB) 6GB (4GB+2GB) 8GB (4GB+4GB)
Operating System	None Windows Embedded Standard 2009 Windows XP Pro Japanese Windows XP Pro MUI Windows Embedded Standard 7 (32bit) Windows 7 Ultimate (32bit) Windows 7 Ultimate (64bit)
Storage Device	None CF 4GB CF 8GB HDD 500GB SSD 60GB
Storage Device	None CF 4GB CF 8GB SSD 80GB SSD 32GB SHD 250GB
Slide-in Slot	None DVD multi drive SSD 32GB SSD 80GB SHD 250GB DVD+SHD 250GB DVD+PSD 32GB DVD+SSD 80GB
Options	None DVI-D I/F Expansion Board COM Expansion Board RS-232C/422/485 DVI-D I/F Expansion Board + COM Expansion Board RS-232C/422/485

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RC6700 Rugged Panel PC

The RC6700 Rugged Panel PC 15" is constructed with completely sealed stainless steel type 4/4X, IP 65/66, NEMA 4/4X enclosure with environmental ratings on the entire system. It supports a wide operating temperature, comes with pre-installed Windows Embedded operating system; and is powered by high-performance and low power consumption Intel® Atom™ processor N2600 1.6 GHz in fanless industrial-grade high-bright LCD flat touch screen panel. It offers Class I Div 2, Groups A, B, C, D, CENELEC's ATEX 94/9/EC Zone 2, IEC's IECEx Zone 2, Ex nA, and Ex ic certification which are primarily designed for the volatile and harsh environments of Oil, Gas, and oilfield equipment & services.

General Specifications

Part Number to Order	HAR15PFA03-48018-R01
Display Type and Size	15" diagonal, Active matrix TFT LCD (4:3)
Operating System	Windows® Embedded Standard 7 E
Graphic Display Resolution	1,024 x 768 pixels (XGA)
Processor	Intel® Atom Processor N2600 1.6 GHz
System Memory	4GB DDR3 1333 MHz, up to 4GB
Storage	32GB mSATA Solid State Drive
Touch Panel Type	Analog resistive 5-wire
Serial Port	1x RS-232C (IP65 connector and cable)
Ethernet	1x RJ 45-10/100/1000 Mbps (IP65 connector and cable)
USB	2x USB2.0 (IP65 connector and cable)
Operating Temperature	-20 to 50 °C (-4 to 122 °F)
Ingress Protection	NEMA4 IP65 (360° protection)
Humidity	30 to 90% RH (non-condensing)
Operating Shock Protection	15G, 11ms duration
Operating Vibration Protection	5 Hz ~ 500 Hz/ 1 Grms/ 3 Axis
Packing Vibration Protection	5 Hz ~ 500 Hz/ 2.16 Grms/ 3 Axix
Rated Input Voltage	12Vdc, 9v~36vdc
Power Consumption	25W (typ.) (max. backlight & high CPU loading)
Dimensions	W396 x H310 x D49 mm

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PS5000 Series Industrial PC

Description

The PS5000 Series is the newest line up in the Pro-face Industrial PC family, offering high connectivity, reliability, and design. Our built-to-order lineup allows customers to choose the product that best suits their purposes.

On the iPC offer, we will introduce new Node Box PCs with Intel Core i7, and Celeron CPUs which can be used in a modular & flexible Panel PC configuration with 15", 19" or 22" display screens.

Features

Modular: Combine the Box type and the Display in a range of sizes from 15 to the ultra-large 22 inches. Flexibly change the functions and sizes.

Slim: Panel-integrated type - drastically slimmer profile with less wasted space and high performance retained featuring optimized design for equipment that requires space-saving.

Featuring an optimized industrial design for a 66% cut in the required depth. No fan means a smaller operation panel with no need to worry about exhaust heat, resulting in less cost to you.

Box: Stationary box type suitable for an environment and equipment that does not require operation and display. Both landscape and portrait placement available. Using Pro-face Remote HMI makes monitoring possible only when needed.

Powerful: A generous helping of the latest technology amounts to a surprising edge in performance. This means more power for equipment requiring high-speed equipment with different usability via HMI and PC.

Smart: Intuitive gestures for zooming and switching screens similar to popular tablets and smartphones for even smoother operation. Scroll, swipe, pinch, two-point touch, etc.

Built to order: Choose a configuration that best suits your budget and purpose. Configuration requirements can be selected online,eliminating the need to look through models to find the best match.

Remote solutions: Includes a proprietary tablet /smartphone app designed for use in industrial settings. The app offers a revolutionary debugging and remote monitoring experience.

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PS5000 Slim Panel PC

The PS5000 Series is the newest line up in the Pro-face Industrial PC family. The three display sizes, 10", 15" and 19" offer a slim design, and low reactivity glass that creates less glare and higher contrast. This powerful IPC features a Core™ i3-4010U or Atom E3827 1.7 GHz processor, creating a powerful system for any production floor. Its aluminum housing adds to the PC's durability, while its multiple I/O ports lend to its flexibility. These units provide more robust storage options, as well as a bright and crisp TFT color display.
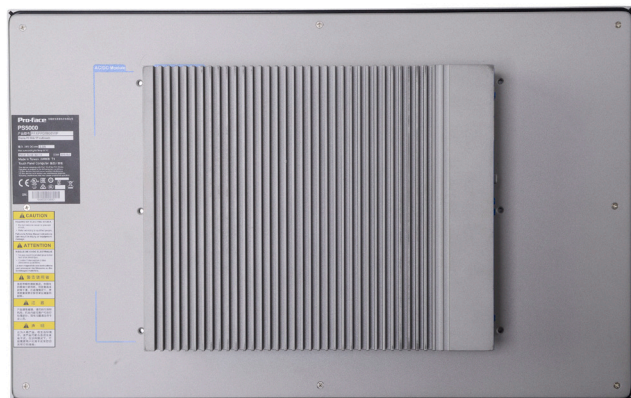
Configure PS5000 Core i3

Find Distributor

Configure PS5000 Atom

General Specifications

Models	PS5501W	PS5701W	PS5711W
Display Type and Size	10.1" Color LCD	15.6" (wide 16:9) Color LCD	15.6" (wide 16:9) Color LCD
CPU	Atom E3827, 1.75 GHz	Atom E3827, 1.75 GHz	Core i3-4010U 1.7GHz
Operating System	Windows® 7 Ultimate (64 bit) MUI, Windows® Embedded Standard 7 Premium (64 bit) MUI, Windows® Embedded 8.1 Industry (64 bit) MUI		
Graphic Display Resolution	1,280 x 800 pixels WXGA TFT	1,366 x 768 pixels FWXGA TFT	1,366 x 768 pixels FWXGA TFT
Touch Panel Type	Multi-touch (5 point simultaneous touch) projected capacitive		
Serial Port (COM)	RS-232C x1, RS-232C / 422 / 485 (D-Sub 9-pin plug) x1		
Ethernet	10/100/1000 Mbit/s (RJ-45 Modular Jack) x2		
USB	USB 3.0 x1, USB 2.0 x1 (Type A)	USB 3.0 x1, USB 2.0 x1 (Type A)	USB 3.0 x2 (Type A)
Backlinght	LED		
Storage Temperature	– 20 to 60° C [– 4 to 140° F]		
Surrounding Air Temperature	When using SSD / CFast running: 0 to 55° C [32 to 131° F] When using HDD running: 0 to 45° C [32 to 113° F]		
Enironmental Ratings	IP66 Front Panel		
Rated Input Voltage	DC Power Model: 24 Vdc ±20 % When using AC power supply unit: 100 to 240 Vac *1		
Power Consumption	12 W (max 24 W)	18 W (max 60 W)	18 W (max 60 W)
External Dimensions	W283.1 x H202.3 x D61.3 mm [W11.15 x H7.96 x D2.41 in.]	W419.7 x H269.0 x D61.9 mm [W16.52 x H10.59 x D2.44 in.]	W419.7 x H269.0 x D56.7 mm [W16.52 x H10.59 x D2.23 in.]
Panel Cutout Dimensions	W274.6 x H193.8 mm [W10.81 x H7.63 in.]	W412.4 x H261.7 mm [W16.24 x H10.30 in.]	W412.4 x H261.7 mm [W16.24 x H10.30 in.]

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PS5000 Slim Panel PC

PS-5811W 19"

PS-5821W 19" - Enclosed

General Specifications

Models	PS5811W	PS5821W
Display Type and Size	18.5" (wide 16:9) Color LCD	18.5" (wide 16:9) Color LCD Enclosed
CPU	Core i3-4010U 1.7GHz	Core i3-4010U 1.7GHz
Operating System	Windows® 7 Ultimate (64 bit) MUI, Windows® Embedded Standard 7 Premium (64 bit) MUI, Windows® Embedded 8.1 Industry (64 bit) MUI	
Graphic Display Resolution	1,366 x 768 pixels FWXGA TFT	
Touch Panel Type	Multi-touch (5 point simultaneous touch) projected capacitive	
Serial Port (COM)	RS-232C x1, RS-232C / 422 / 485 (D-Sub 9-pin plug) x1	RS-232C (M12 A-coding, 8-pin plug) x1
Ethernet	10/100/1000 Mbit/s (RJ-45 Modular Jack) x2	10/100/1000 Mbit/s (M12 A-coding, 8-pin socket) x2
USB	USB 3.0 x1, USB 2.0 x1 (Type A)	USB 2.0 x1 (M12 A-coding, 8-pin socket)
Backlinght	LED	
Storage Temperature	– 20 to 60 °C (– 4 to 140 °F)	
Surrounding Air Temperature	When using SSD / CFast running: 0 to 55°C [32 to 131°F] When using HDD running: 0 to 45°C [32 to 113°F]	
Enironmental Ratings	IP66 Front Panel	IP66 All Around
Rated Input Voltage	DC Power Model: 24 Vdc ±20 % When using AC power supply unit: 100 to 240 Vac	DC Power Model: 24 Vdc ±20 % (M12 A-coding, 8-pin female)
Power Consumption	28 W (max 60 W)	35 W (max 60 W)
External Dimensions	W488.0 x H309.6 x D56.7 mm [W19.21 x H12.17 x D2.23 in.]	W488.0 x H309.6 x D65 mm [W19.21 x H12.17 x D2.56 in.]
Panel Cutout Dimensions	W479.3 x H300.3 mm [W18.87 x H11.82 in.]	n/a

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PS5000 Modular Display + Box PC

PS5000 Series is the highest performance industrial PC, offering high connectivity, reliability, and design. Our built-to-order lineup allows customers to choose the product that best suits their purposes with new Node Box PCs with Intel Core i7, and Celeron CPUs which can be used in a modular & flexible Panel PC configuration with 15", 19" or 22" display screens—flexibly change the functions and sizes.

Also available as a stand-alone, the stationary box type is suitable for an environment and equipment that does not need operation and display. Both landscape and portrait mounting available.

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Configure PS5000 Core i7   Find Distributor

Configure PS5000 Celeron

General Specifications

Models	PS5000B	
CPU	Celeron 2980U 1.6 GHz	Core i7-4650U 1.7 GHz
Main Memory	4 GB or 8 GB, DDR3L 1600 MHz, SO-DIM SDRAM	8 GB or 16 GB, DDR3L 1600 MHz, SO-DIM SDRAM
Operating System	Windows® 7 Ultimate (64 bit) MUI, Windows® Embedded Standard 7 Premium (64 bit) MUI, Windows® Embedded 8.1 Industry (64 bit) MUI	
Serial ATA	HDD or SSD x2, CFast x1, mSATA x1	
Serial Port (COM)	RS-232C / 422 / 485 (D-Sub 9-pin plug) x1	
Ethernet	10/100/1000 Mbit/s (RJ-45 Modular Jack) x2	
USB	USB 3.0 x2, USB 2.0 x2 (Type A)	
Storage Temperature	– 20 to 60 °C (– 4 to 140 °F)	
Surrounding Air Temperature	When using SSD / CFast running: 0 to 55°C [32 to 131°F] When using HDD running: 0 to 45°C [32 to 113°F]	
Enironmental Ratings	IP66 Front Panel	
Rated Input Voltage	DC Power Model: 24 Vdc ±20 % When using AC power supply unit: 100 to 240 Vac	
Power Consumption	15" single touch box: 17.8W typical, 33.6 W max	15" single touch box: 18.1 W typical, 38.4 max
External Dimensions	W283.1 x H202.3 x D61.3 mm [W11.15 x H7.96 x D2.41 in.]	W419.7 x H269.0 x D61.9 mm [W16.52 x H10.59 x D2.44 in.]

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PS5000 Modular Display + Box PC

General Specifications

Models	PS5700T	PS5700W	PS5800W	PS5900W
Display Type and Size	15" Color LCD	15.6" (wide 16:9) Color LCD	18.5" (wide 16:9) Color LCD	21.5" (wide 16:9) Color LCD
CPU	Celeron 2980U 1.6GHz Core i7-4650U 1.7 GHz			
Main Memory	8 GB or 16 GB, DDR3L 1600 MHz, SO-DIM SDRAM (Core i7) 4 GB or 8 GB, DDR3L 1600 MHz, SO-DIM SDRAM (Celeron)			
Operating System	Windows® 7 Ultimate (64 bit) MUI, Windows® Embedded Standard 7 Premium (64 bit) MUI, Windows® Embedded 8.1 Industry (64 bit) MUI			
Graphic Display Resolution	1,024 x 768 px XGA TFT	1,366 x 768 px FWXGA TFT	1,366 x 768 px FWXGA TFT	1,980 x 1,080 px Full HD TFT
Touch Panel Type	Resistive single touch	Multi-touch (5 point simultaneous touch) projected capacitive		
Serial Port (COM)	RS-232C / 422 / 485 (D-Sub 9-pin plug) x1			
Ethernet	10/100/1000 Mbit/s (RJ-45 Modular Jack) x2			
USB	3.0 x2, 2.0 x2, 2.0 x1 (front) (Type A)	3.0 x2, 2.0 x2 (Type A)	3.0 x2, 2.0 x2 (Type A)	3.0 x2, 2.0 x2 (Type A)
Backlight	LED Lifespan > 50,000 h @ 25° C [77° F]			
Storage Temperature	− 30 to 70° C [− 22 to 158° F]			
Surrounding Air Temperature	When using SSD / CFast running: 0 to 55°C [32 to 131°F], When using PCI/PCIe: 0 to 45°C [32 to 113°F] When using HDD running: 0 to 45°C [32 to 113°F], When using 2x mPCI + Display module: 0 to 45°C [32 to 113°F]			
Enironmental Ratings	IP66 Front Panel			
Rated Input Voltage	DC Power Model: 24 Vdc ±20 % When using AC power supply unit: 100 to 240 Vac			
Power Consumption Core i7 Celeron	25.9 W (max 44.9 W) 25.5 W (max 39.9 W)	27.1 W (max 46.1 W) 26.6 W (max 40.9 W)	28.4 W (max 48.1 W) 27.9 W (max 43.1 W)	30.5 W (max 50.7 W) 29.9 W (max 45.2 W)
External Dimensions 0 Slot 2 Slot	W390.7 x H290.0 x D93.2 mm [W15.38 x H11.42 x D3.67 in.] W390.7 x H290.0 x D131.2 mm [W15.38 x H11.42 x D5.16 in.]	W419.7 x H269.0 x D93.2 mm [W16.52 x H10.59 x D3.67 in.] W419.7 x H269.0 x D131.2 mm [W16.52 x H10.59 x D5.16 in.]	W488.3 x H309.0 x D93.2 mm [W19.21 x H12.17 x D3.67 in.] W488.0 x H309.6 x D131.2 mm [W19.21 x H12.17 x D5.16 in.]	W558.4 x H349.8 x D93.2 mm [W21.98 x H13.77 x D3.67 in.] W558.4 x H349.8 x D131.2 mm [W21.98 x H13.77 x D5.16 in.]
Panel Cutout Dimensions	W383.5 x H282.5 mm [W15.09 x H11.12 in.]	W412.4 x H261.7 mm [W16.24 x H10.30 in.]	W479.3 x H300.3 mm [W18.87 x H11.82 in.]	W550.3 x H341.8 mm [W21.66 x H13.45 in.]

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PS4600 Panel PC

The PS4600 features an Core™ i3 or Celeron 827 processor, creating a powerful system for any production floor. Its aluminum housing adds to the PC's durability, while its multiple I/O ports lend to its flexibility. These units provide more robust storage options, along with quick and easy storage expansion. The bright and crisp TFT color display is also complemented with different screen size options.

General Specifications

Models	PS4600 (Build to Order)
Operating System	Windows® XP Professional SP3 (32bit), Windows® 7 Ultimate (32 or 64bit),
	Windows® Embedded Standard 2009 (32bit), Windows® Embedded Standard 7 Premium (32bit)
Display Type and Size	TFT Color LCD 12.1"
Graphic Display Resolution	1,024 x 768 pixels (XGA)
Touch Panel Type	Analog resistive film
Serial Port (COM)	RS-232C x2
Ethernet Interface	x2
USB	TypeA (USB2.0) x5
Backlight	LED
Storage Temperature	-20 to 60 °C (-4 to 140 °F)
Ambient Operating Temp	Operating temperature dependant on unit model. See PS4600 manual for exact temperature.
Environmental Ratings	IP65, Type 4X (Indoor use only)
Rated Input Voltage	24Vdc or 100 to 240 Vac
Power Consumption	130 W (max.)
External Dimensions	Dimensions dependant on unit model. See PS4000 Manual for exact dimensions.
Panel Cutout Dimentions	W301.5 x H227.5 mm (W11.87 x H8.96 in.)

PS4600 Panel PC

Product Options

Front Bezel	Aluminum No Bezel (Rear Mount)
Expansion Slot	0 slot 1 slot = 1 PCI 1 slot = 1 PCIe 2 slots = 1 PCI + 1 PCIe 2 slots = 2 PCI
CPU Type	Celeron 827E Core i3 3217UE
Power Supply	AC AC with I/F for UPS battery unit DC DC with I/F for UPS battery unit
RAM	1GB 2GB 3GB (2GB+1GB) 4GB (4GB) 6GB (4GB+2GB) 8GB (4GB+4GB) 12GB (8GB+4GB) 16GB (8GB+8GB)
OS	None Windows Embedded Standard 2009 Windows XP Pro Japanese Windows XP Pro MUI Windows Embedded Standard 7 (32bit) Windows 7 Ultimate (32bit) Windows 7 Ultimate (64bit)
Storage Device	None CFast 4GB CFast 8GB CFast 16GB CFast 4GB + CFast 4GB CFast 8GB + CFast 4GB SSD 60GB SSD 80GB SHD 500GB
Slide-in Slot	None DVD multi drive SSD 60GB SSD 80GB SHD 500GB
Options	None COM Expansion Board RS-232C/422/485 COM Expansion Board RS-232C/422/485 + COM Expansion Board RS-232C/422/485

Pro-face

by **Schneider** Electric

PS4700 Panel PC

The PS4700 features an Atom™ N270 processor, creating a powerful system for any production floor. Its aluminum housing adds to the PC's durability, while its multiple I/O ports lend to its flexibility. These units provide more robust storage options, along with quick and easy storage expansion. The bright and crisp TFT color display is also complemented with different screen size options. There are also stainless steel options which supports ATEX.

General Specifications

Models	PS4700 (Build to Order)
Operating System	Windows® XP Professional SP3, Windows® 7 Ultimate,
	Windows® Embedded Standard 2009, Windows® Embedded Standard 7
Display Type and Size	TFT Color LCD 15"
Graphic Display Resolution	1,024 x 768 pixels (XGA)
Touch Panel Type	Analog resistive film
Serial Port (COM)	RS-232C x2
Ethernet Interface	x2
USB	TypeA (USB2.0) x5
Backlight	LED
Storage Temperature	-20 to 60 °C (-4 to 140 °F)
Ambient Operatng Temp	0 to 50 °C (32 to 122 °F)
Environmental Ratings	IEC60529 IP65, UL50E Type 4X
Rated Input Voltage	24Vdc or 100 to 240 Vac
Power Consumption	Core™2 Duo: 100 W / Atom™: 70 W
External Dimensions	W383.5 x H282.5 x D1.6 mm (W15.09 x H11.12 x D.06 in.)
Panel Cutout Dimentions	W459.5 x H359.5 mm (W18.09 x H14.15 in.)

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PS4700 Panel PC

Product Options

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Front Bezel Material	Aluminum Stainless Steel
Expansion Slot	0 slot 1 slot = 1 PCI 2 slots = 1 PCI + 1 PCIe(x4) 2 slots = 2 PCI
CPU Type	Atom N270 Core 2 Duo P8400
Power Supply	AC DC DC with I/F for UPS battery unit DC with Noise Filter for Marine Certification DC with I/F for UPS battery unit and Noise Filter for Marine Certification
RAM	1GB 2GB 3GB (2GB+1GB) 4GB (2GB+2GB) 6GB (4GB+2GB) 8GB (4GB+4GB)
Operating System	None Windows Embedded Standard 2009 Windows XP Pro Japanese Windows XP Pro MUI Windows Embedded Standard 7(32bit) Windows 7 Ultimate (32bit) Windows 7 Ultimate (64bit)
Storage Device	None CFast 4GB CFast 8GB SSD 80GB SSD 32GB SHD 250GB
Slide-in Slot	None DVD multi drive SSD 32GB SSD 80GB SHD 250GB
Options	None COM Expansion Board RS-232C/422/485

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PS4700 (Z510) Panel PC

The PS4700 Z510 features a Atom™ Z510 processor, creating a powerful system for any production floor. Its aluminum housing adds to the PC's durability, while its multiple I/O ports lend to its flexibility. Customers have a choice of an aluminum, or stainless steel bezel to accommodate different environments. This unit also has low power consumption, along with being a diskless and fanless PC. There are also stainless steel options, which support ATEX.

3D CAD

General Specifications

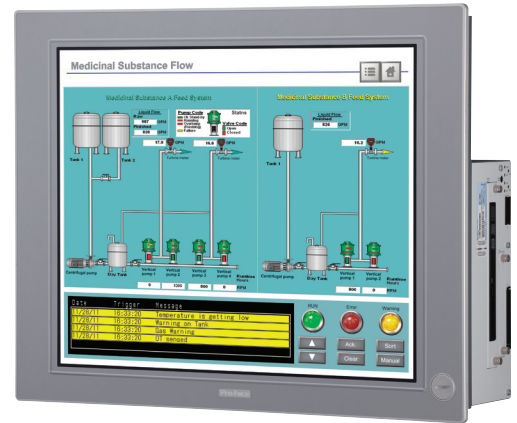|	
Models	PS4700 (Embedded Model) (Build to Order)
Operating System	Windows® Embedded Standard 2009
Display Type and Size	TFT Color LCD 15"
Graphic Display Resolution	1,024 x 768 pixels (XGA)
Touch Panel Type	Analog resistive film
Serial Port (COM)	RS-232C x1
Ethernet Interface	x1
USB	TypeA (USB2.0) x3
Backlight	LED
Storage Temperature	-20 to 60 °C (-4 to 140 °F)
Ambient Operatng Temp	0 to 50 °C (32 to 122 °F)
Environmental Ratings	IEC60529 IP65, UL50E Type 4X
Rated Input Voltage	24 Vdc
Power Consumption	31 W
External Dimensions	W402 x H301 x D74.7 mm (W15.82 x H11.85 x D2.94 in.)
Panel Cutout Dimentions	W383.5 x H282.5 mm (W15.10 x H11.12 in.)

Pro-face

PS4700 (Z510) Panel PC

Product Options

Configure PS4700 (Z510)   **Find Distributor**

Front Bezel Material	Aluminum Stainless Steel
Expansion Slot	0 slot (Fixed)
CPU Type	Atom Z510 (Fixed)
Power Supply	DC DC with Noise filter for Marine Certification
RAM	1GB 2GB
Operating System	Windows Embedded Standard 2009
Storage Device	None CF 4GB
Slide-in Slot	0 slot (Fixed)
Options	None Ethernet Expansion Board

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by **Schneider** Electric

PS4800 Panel PC

The PS4800 features a Core™2 Duo P8400 processor, creating a powerful system for any production floor. Its aluminum housing adds to the PC's durability, while its multiple I/O ports lend to its flexibility. These units provide more robust storage options, along with quick and easy storage expansion. The bright and crisp TFT color display is also complemented with different screen size options.

3D CAD

General Specifications

Models	PS4800 (Build to Order)
Operating System	Windows® XP Professional SP3, Windows® 7 Ultimate,
	Windows® Embedded Standard 2009, Windows® Embedded Standard 7
Display Type and Size	TFT Color LCD 19.1"
Graphic Display Resolution	1,280 x 1,024 pixels (SXGA)
Touch Panel Type	Analog resistive film
Serial Port (COM)	RS-232C x2
Ethernet Interface	x2
USB	TypeA (USB2.0) x5
Backlight	LED
Storage Temperature	-20 to 60 °C (-4 to 140 °F)
Ambient Operatng Temp	0 to 50 °C (32 to 122 °F)
Environmental Ratings	IEC60529 IP65, UL50E Type 4X
Rated Input Voltage	24Vdc or 100 to 240 Vac
Power Consumption	130 W (max.)
External Dimensions	Core™2 Duo: W480 x H380 x D175.2 mm (W18.90 x H14.96 x D6.893 in.)
	Atom™: W480 x H380 x D160 mm (W18.90 x H14.96 x D6.293 in.)
Panel Cutout Dimentions	W459.5 x H359.5 mm (W18.09 x H14.15 in.)

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PS4800 Panel PC

Product Options		Configure PS4800	Find Distributor

Expansion Slot
0 slot
1 slot = 1 PCI
2 slots = 1 PCI + 1 PCIe(x4)
2 slots = 2 PCI

CPU Type
Atom N270

Core 2 Duo P8400

Power Supply
AC
DC
DC with I/F for UPS battery unit
DC with Noise Filter for Marine Certification
DC with I/F for UPS battery unit and Noise Filter for Marine Certification

RAM
1GB
2GB
3GB (2GB+1GB)
4GB (2GB+2GB)
6GB (4GB+2GB)
8GB (4GB+4GB)

Operating System
None
Windows Embedded Standard 2009
Windows XP Pro Japanese
Windows XP Pro MUI
Windows Embedded Standard 7(32bit)
Windows 7 Ultimate (32bit)
Windows 7 Ultimate (64bit)

Storage Device
None
CFast 4GB
CFast 8GB
SSD 80GB
SSD 32GB
SHD 250GB

Slide-in Slot
None
DVD multi drive
SSD 32GB
SSD 80GB
SHD 250GB

Options
None
COM Expansion Board RS-232C/422/485

FP5000 – Flat Panel Display

Description

Sharing the panel cut out dimension with the FP3000 Series, the FP5000 Series is the natural choice for upgrading your system. Automatic resolution and brightness adjustment eases upgrade and increase operation efficiency.

The FP5000 Series employs an analog resistive multi-touch touch panel that allows multi touch gestures even when wearing work gloves. Gesture operation greatly prevents unintended operation and the multi-touch panel film prevents display glass fragments from contaminating the processed goods, essential in the food and beverage industry.

In addition to cutting-edge functions such as gesture operation and a brightness sensor, the FP5000 Series provides a high level of environmental resistance with features like a maximum ambient operating temperature rating of 60°C and an IP67F protection rating that allows it to withstand washing with a high-pressure cleaner during hygienic maintenance of equipment.

Features

• Automatic resolution adjustment

• Supports operating systems from Windows XP to Windows 8.1

• 12Vdc battery operated devices and equipment

• Straight forward connectivity

• Front USB port for easy data export

Simple configuration of display and PC

• Easy installation with integrated mounting bracket and anti-drop lock

Pro-face
by **Schneider** Electric

FP5000 – Flat Panel Display

General Specifications

Backlight	White LED
Storage Temperature	-20 to 60 °C (-4 to 140 °F)
Ambient Operatng Temp	0 to 60 °C (32 to 140 °F)
Environmental Ratings	w/ factory-installed front USB cover: IP65F, IP67F, TYPE 1,
	w/ front USB cover as an option: IP66F, IP67F TYPE 1, TYPE 4X/13
Certifications	CE, UL Listed, RoHS

Product Specifications

Part Number to Order	PFXFP5600TPD	PFXFP5700TPD
Display Type and Size	12.1" TFT Color LCD	15" TFT Color LCD
Display Colors	16 million colors	16 million colors
Graphic Display Resolution	1,024 x 768 pixels (XGA)	1,024 x 768 pixels (XGA)
Display Area	W245.76 x H184.32 mm (W9.68 x H7.26 in.)	W304.1 x H228.1 mm (W11.97 x H8.98 in.)
Touch Panel Type	Resistive film (analog, multi-touch)	Resistive film (analog, multi-touch)
Brigntness Controls	0 to 100	0 to 100
USB (1)	USB2.0 (TYPE-B)	USB2.0 (TYPE-B)
USB (2)	USB2.0 (TYPE-A)	USB2.0 (TYPE-A)
Video Input Interface	DVI-D 24 pin (socket)	DVI-D 24 pin (socket)
Rated Input Voltage	12 to 24Vdc	12 to 24Vdc
Power Consumption	17 W (max.)	21 W (max.)
Panel Cutout Dimentions	W301.5 x H227.5 mm (W11.87 x H8.96 in.)	W383.5 x H282.5 mm (W15.1 x H11.12 in.)
External Dementions	W315 x H241 x D67 mm (W12.4 x H9.49 x D2.64 in.)	W397 x H296 x D67 mm (W15.6 x H11.7 x D2.64 in.)