

# PS5001B Box Optimized and Basic Industrial PCs



**Features:**

- Fan-less Design
- Modular Flexible Design
- Can be used with multiple screen sizes

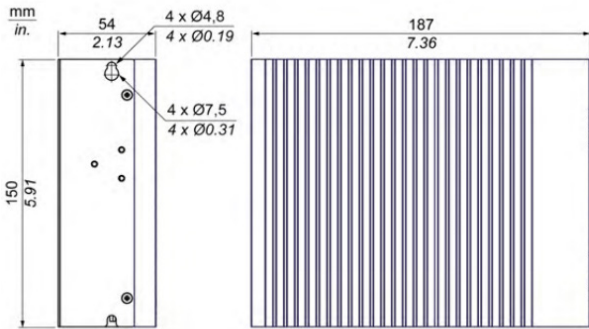
Performance Specifications			
Models	PS5001B Optimized Expandable	PS5001B Optimized	PS5001B Basic
Supported OS	Windows 10 IoT Enterprise 2016 LTSB (64 bit) <i>* UWF (Unified Write Filter) is not supported.</i>		
CPU	Atom E3930 1.3 GHz		
Main Memory	4 GB or 8 GB, DDR3L 1600 MHz, SO-DIMM SDRAM		4 GB, DDR3L 1600 MHz, SO-DIMM SDRAM
Storage memory	M.2 SSD (64GB / 128GB / 256GB) x 1, HDD*1 (500GB / 1TB) / SSD*1 (256GB) x 1	M.2 SSD (64 GB / 128 GB / 256 GB)	eMMC (64 GB / 128 GB)
Video Memory	Up to 1.7 GB, Shared system memory		Up to 2 GB ,Shared System Memory
Graphics Accelerator	Intel® HD Graphics 5000		
Graphics	Up to Full HD (1,920 x 1,080 Pixels)		
Interface	Serial (COM1)	COM1 RS-232 (non isolated, D-Sub 9-pin, plug)	RS-232C/RS-422/485 (non isolated, D-Sub 9-pin, plug)
	Serial (COM2)	COM2 RS-232C/RS-422/485 (non isolated, D-Sub 9-pin, plug)	-
	Ethernet (LAN1)	10 / 100 / 1,000 Mbps (RJ-45 Modular jack)	
	Ethernet (LAN2)	10 / 100 / 1,000 Mbps (RJ-45 Modular jack)	
	USB	USB 3.0 x 2, USB 2.0 x 2 (Type A)	
	Video	DisplayPort (Type A) x 2	DisplayPort (Type A) x 1
	Internal Expansion	Mini PCIe x 1	
<i>*1 Optional interface mounted type only. For use, an option unit (PFXZPEADHDD2) that is separately sold is required. HDD and SSD can be selected for secondary storage only.</i>			

General Specifications			
Models	PS5001B Optimized Expandable	PS5001B Optimized	PS5001B Basic
Certifications	-CE EN61000-6-2, EN61000-6-4, EN60950-1, EN61010-2-UL61010-2-201, CSA C22.2 No.61010-2-201-ANSI/ISA12.12.01, CSA22.2 No.213-KC-CCC-EAC-RCM-RoHS-RoHS for China-REACH-WEEE		-CE EN61000-6-2, EN61000-6-4, EN60950-1, EN61010-2-UL60950, CSA 60950-KC-CCC-EAC-RCM-RoHS-RoHS for China-REACH-WEEE
Input Voltage	DC Power Model: 12 to 24 Vdc ±20 % When using AC power supply unit : 100 to 240 Vac *2		
Power Consumption	20 W		
In-Rush Current	2.03 A		
Storage Temperature	-30 to 70 °C [-22 to 158 °F]		
Surrounding Air Temperature	[Operating temperature fo Box Atom (PFXPL2B5, PFXPL2B6) 0 to 50 °C [32 to 122 °F] Optional interface installed : limited to 45 °C [113 °F]		
Ambient Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)		
Storage Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)		
Concussion Resistance:	IEC60068-2-27 Ea Test		
Pollution Degree:	For use in pollution degree 2 environment		
Cooling Method	Passive heat sink		
Air Pressure (altitude range)	2,000 m [6,560 ft] max.		
Vibration Resistance	Operation for products with SSD or eMMC: 5 to 500 Hz: 2Grms, Operation for products with HDD : 5 to 500 Hz: 1Grms		Operation for products with eMMC: 5 to 500 Hz: 2Grms
Electromagnetic Compatibility (EMC)	Immunity to high frequency interference electromagnetic emissions class A		
Weight	1.25 kg [2.75 lb]	1.3 kg (2.86 lbs)	1.2 kg (2.64 lbs)
External Dimensions	W54 x H150 x D187 mm [W2.13 x H5.91 x D7.36 in.]	W38 x H150 x D187 mm [W1.50 x H5.91 x D7.36 in.]	W46 x H150 x D187 mm [W1.81 x H5.91 x D7.36 in.]
Warranty	Two (2) years		

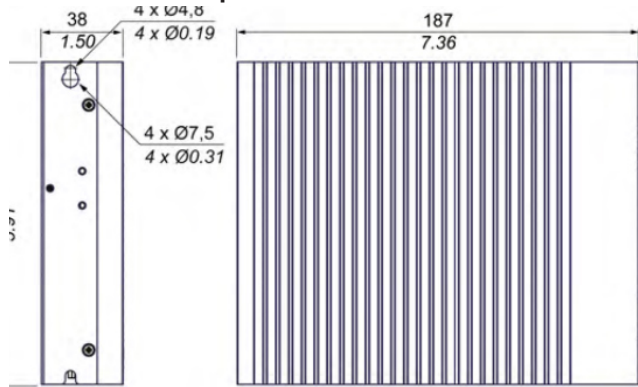
\*2 For use at 100 to 240 Vac, an optional AC power supply unit (PFXZPBPUAC2) that is separately sold is required.

**External Dimensions**

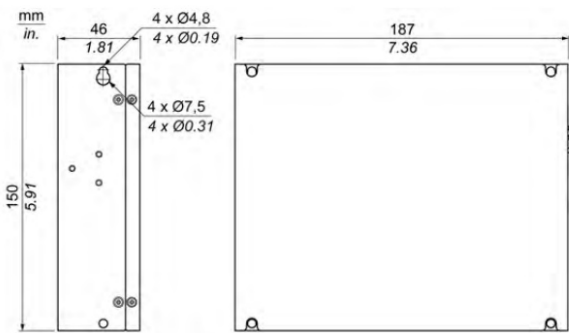
**PS5001B Atom Optimized Expandable**



**PS5001B Atom Optimized**



**PS5001B Edge Basic**



**Options**

**Modular Type**

Combine the Box type and the Display in a range of sizes. With a variety of Windows platforms available, and Pro-face's build to order offerings, the application options are endless. Also a Box module can be used alone.

Display Module

Box Module



**SIZE**

The Display type consists of a box with a display module ranging from 12 to the ultra-large 22 inch screen.

22"W   19"   15"W

15"   12"W   12"

**CPU**

High-Performance CPUs provide the processing power needed to run today's demanding applications.

Core i7  
Core i5  
Atom

Storage: HDD/SSD\* card

Suitable for use as a compact edge terminal  
Storage: M.2 SSD\*

Suitable for any slight data collection  
Storage: microSD

\* As primary storage

**Display Adapter**  
The Display Adapter allows you to add a display unit with PS5000 Series as a host.



**Software**

BLUE Line Management Lite SCADA

# Open Studio

Screen Editor

# GP-Pro EX

**Pro-face America**  
Phone: 734.477.0600  
Fax: 734.864.7347  
www.profaceamerica.com

**Customer Service Hotline: 800.289.9266**

For more information

**ACCESS** [www.profaceamerica.com](http://www.profaceamerica.com)



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Andover, MA 01810 USA  
888-778-2733  
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55-5804-5000  
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