

PS-4700 Atom™ Z510 - Stainless Steel Bezel Model
Model (Global Code): PFXPV170AxxxxNxN00

Functional Specification		
Display Size	15" (Front Bezel Material: Stainless Steel (SUS304))	
Display Colors	16 million	
Backlight	LED Life span > 50,000 h @ 25 °C [77 °F]	
Brightness Control	Step less adjustment	
Supported OS	CF: Windows® Embedded Standard 2009*1	
CPU	Atom™ Z510 1.1 GHz	
L2 Cache Memory	512 KB	
Main Memory	1 GB to 2 GB max. (DDR2 400 MHz)*2	
Chipset	Intel® System Controller Hub US15W	
Graphics Accelerator	Intel® Graphics Media Accelerator 500	
Video Memory	Up to 256 MB*3	
Graphics	XGA TFT active matrix (1,024 x 768 pixels)	
Touch Panel Type	Analog resistive film	
Touch Panel Resolution	4,096 x 4,096	
Interface	IDE	4 GB CF Card (Type-I) x1
	Serial (COM1)	RS-232C (D-Sub 9-pin, plug)
	Ethernet	10/100/1000 Mbit/s (RJ-45 Modular jack)
	USB (TYPE-A)	USB 2.0 x2*4

*1: For details on languages supported by pre-installed operating systems, read "The List of OS Pre-installed Languages for Multi-language".
(<http://www.pro-face.com/product/psc/ps4000/spec/language.html>)

*2: Unable to be added by users.

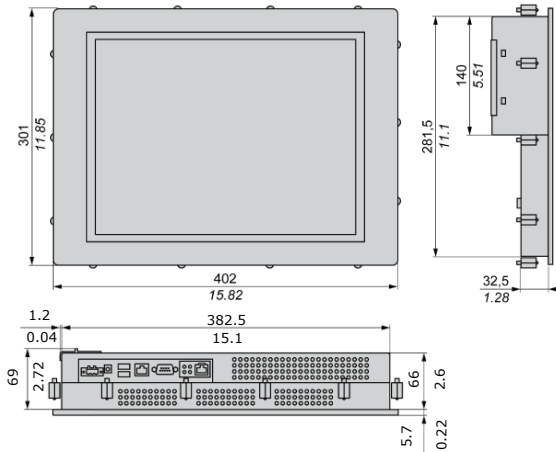
*3: Reserved from main memory.

*4: Maximum 1 A per connection

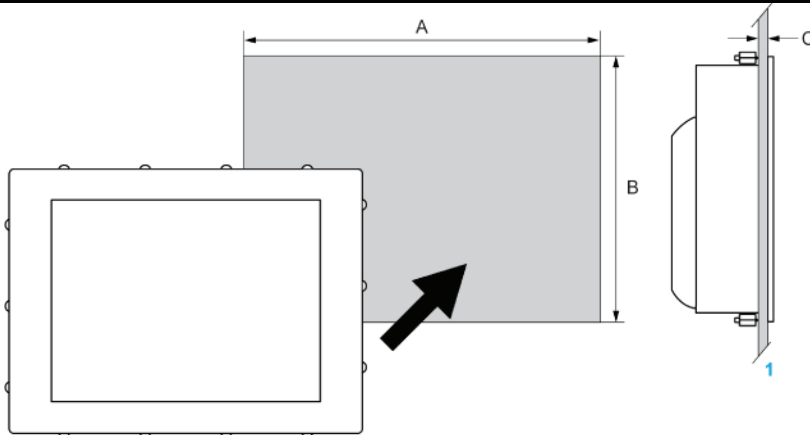
General Specification	
Supported Standards and Regulations	UL508, ANSI/ISA12.12.01, CSA C22.2 No.142, CSA C22.2 No213, EMC 2004/108/EC, LVD 2006/95/EC, ATEX, C-TICK, GOST-R
Rated Input Voltage	24 Vdc ±25 %
Power Consumption	31 W*5
In-Rush Current	Typ. 3 A, max. 50 A < 300 μs
Surrounding Air Temperature	0 to 50 °C [32 to 122 °F]
Storage Temperature	- 20 to +60 °C [- 4 to +140 °F]
Ambient Humidity	10 to 85 % RH (Wet bulb temperature: 29 °C [84.2 °F] max. - no condensation)
Storage Humidity	10 to 85 % RH (Wet bulb temperature: 29 °C [84.2 °F] max. - no condensation)
Pollution Degree	For use in Pollution Degree 2 environment
Air Pressure (altitude range)	2,000 m [6,560 ft] max.
Vibration Resistance	Operation (continuous) for 6 Fc products with CF Card storage device: 2 to 9 Hz: 1.75 mm [0.07 in.], 9 to 200Hz: 4.9 m/s ² Operation (occasional) for products with CF Card storage device: 2 to 9 Hz: 3.5 mm [0.14 in.], 9 to 200 Hz: 9.8 m/s ² Merchant Navy (continuous): 3 to 13.2 Hz: 1 mm [0.04 in.], 13.2 to 100 Hz: 6.86 m/s ² Shock Resistance (in operation): 147 m/s ² for a duration of 11 ms (IEC 60068-2-27 Ea test)
Electromagnetic Compatibility (EMC)	Immunity to High Frequency Interference Electromagnetic Emissions Class A
Structure	Front: IP65
Cooling Method	Passive heat sink, Fanless operation
Weight Approx.	6.3 kg [13.9 lbs]
External Dimensions	W402 x H301 x D74.7 mm [W15.82 x H11.85 x D2.94 in.]
Panel Cut Dimensions	W383.5 x H282.5 mm [W15.10 x H11.12 in.]

*5: The value does not include the power supplied to an interface expansion board (BTO option).
The product's maximum power consumption including the power supplied to it is 36W.

External Dimensions



Panel Cut-out



1	Installation panel
A	383.5 + 1/- 0 mm (15.10 + 0.04/- 0 in.)
B	282.5 + 1/- 0 mm (11.12 + 0.04/- 0 in.)
C	1.6...10 mm (0.06...0.39 in.)

The following table shows the general tolerances for Industrial Personal Computer 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 (± 0.0078 in.)
30...120 mm (1.18...4.724 in.)	± 0.3 mm (± 0.012 in.)
120...400 mm (4.724...15.747 in.)	± 0.5 mm (± 0.02 in.)
400...1000 mm (15.747...39.37 in.)	± 0.8 mm (± 0.031 in.)

Pro-face's PS4000 Series website <http://www.pro-face.com/product/ipc/ps4000/>