

PS-4700 Atom™ Z510 - Aluminum Bezel Model
Model (Global Code): PFXPP170AxxxxNxN00

| Functional Specification | | |
|--------------------------|---|---|
| Display Size | 15" | |
| 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 x3*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/ipc/ps4000/spec/language.html>)

*2: Unable to be added by users.

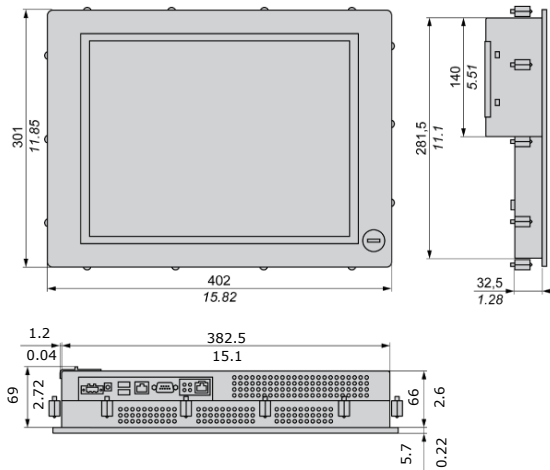
*3: Reserved from main memory.

*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, C-TICK, KC, GOST-R, GL |
| 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. | 5.0 kg [11.0 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).

External Dimensions

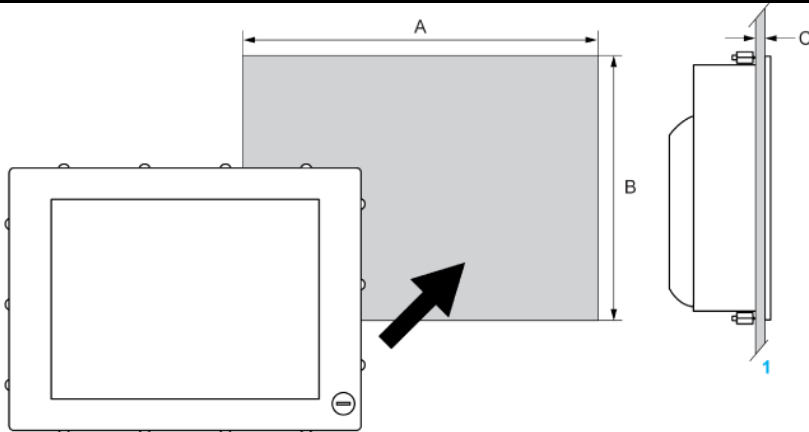


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Panel Cut-out



| | |
|---|---|
| 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/>