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Industrial Micro Computers



## IMP-A120T

### 12.1" Fanless Panel PC

- ✓ Front Panel NEMA 4/IP 65 rating
- ✓ Intel® Atom N270 1.6 GHz processor
- ✓ Resistive Touch Screen
- ✓ 160GB Industrial Hard Disk
- ✓ CompactFlash card slot
- ✓ 12/24 VDC wide-ranging power input



### DESCRIPTION

The IMP-A120T is a compact, industrial Panel PC with a 12.1" SVGA TFT LCD (370 cd/m<sup>2</sup>). It is powered by an Intel® Atom N270 1.6 GHz processor. It supports 4 USB 2.0 ports, 3 COM ports, and 2 LAN ports.

The IMP-A120T operates on 10.8 ~ 32VDC power.

This unit, equipped with a touch screen, is ideal for use as a PC-based controller for automotive applications, logistic processes, material handling, and also suitable for applications in the food, chemicals and medical industry.

### FEATURES

- ✓ Completely fanless
- ✓ Panel mount / VESA 75 support
- ✓ Steel front panel (NEMA 4/IP 65 rating) and housing
- ✓ Intel® Atom N270 1.6 GHz processor, 1 GB RAM
- ✓ Low-power consumption
- ✓ Resistive touch screen (optional vandal proof SecureTouch touch screen)
- ✓ LAN, USB, RS232/422/485, Audio
- ✓ 160 GB rugged Hard Disk
- ✓ CompactFlash slot
- ✓ 10.8 ~ 32 VDC wide-ranging input

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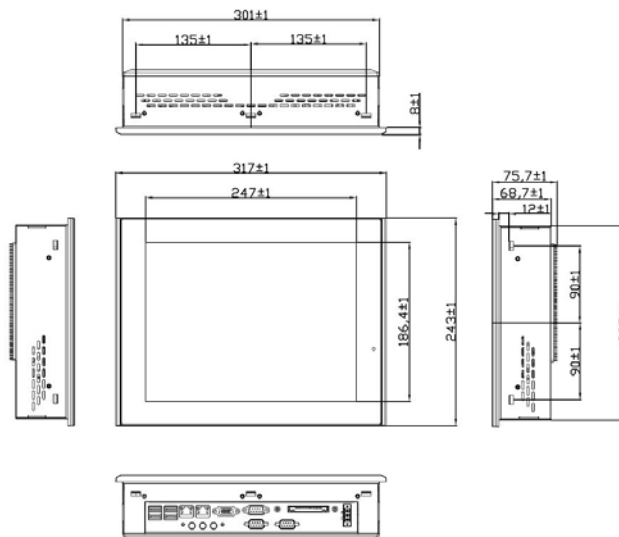
## System Specifications

<b>Model:</b>	<b>IMP-A120T</b>
<b>Display:</b>	12.1" SVGA TFT, 800 x 600, 370 cd/m <sup>2</sup> , 262K colors
<b>Viewing Angle:</b>	140° (L/R), 110° (U/D)
<b>Backlight Lifetime:</b>	40,000 hrs
<b>Touch Screen:</b>	Resistive
<b>CPU Type/Speed:</b>	Intel® Atom N270 1.6 GHz
<b>Chipset:</b>	Intel® 945GSE + ICH7M
<b>Memory:</b>	1GB DDR2 SDRAM, Max. 2 GB
<b>Hard Drive:</b>	2.5" Slim type 160 GB rugged hard disk
<b>I/O Ports:</b>	2 x RS232 COM port, 1 x RS323/422/485 COM port, Audio In/Out, 4 x USB 2.0, 1 x VGA, 2 x Gigabit LAN
<b>Expansion Slots:</b>	CompactFlash slot
<b>Power Input:</b>	10.8-32VDC / 60W

## Mechanical Specifications

<b>Construction:</b>	Steel front panel (NEMA 4/IP 65 rating) and housing
<b>Color:</b>	Black
<b>Mounting:</b>	Panel mount
<b>Operating Temperature:</b>	0-50°C
<b>Storage Temperature:</b>	-20°C-60°C
<b>Vibration:</b>	5 - 17Hz, 0.1" double amplitude displacement; 17 - 640Hz, 1.5G acceleration peak to peak
<b>Shock:</b>	10G acceleration peak to peak (11ms)
<b>EMC:</b>	FCC/CE Class A certified
<b>Dimensions (W/H/D):</b>	317 x 243 x 76mm

## Dimensions



## Upgrades/Accessories

<b>IMU-AMEM4</b>	Upgrade 1GB to 2GB RAM	<b>IMU-A12GFG</b>	Upgrade to SecureTouch touch screen
<b>IMU-IDExxG</b>	Upgrade to xxGB Solid State Disk	<b>IMA-PS1260</b>	110/220VAC Power Supply

**Disclaimer:** Published configurations and performance specifications are subject to change without prior notice. While due caution has been exercised in the production of this document, possible errors and omissions are unintentional.