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Industrial Micro Computers



## IMP-A1x1T

### 12"/15"/17" Fanless Panel PC

- ✓ Front Panel NEMA 4/IP 65 rating
- ✓ Intel® Atom N270 1.6GHz processor
- ✓ Resistive Touch Screen
- ✓ 160GB Industrial Hard Disk, CD-RW/DVD
- ✓ 2 PCI expansion slots
- ✓ 12/24 VDC wide-ranging power input



### DESCRIPTION

IMP-A1x1T is a series of compact, industrial Panel PCs with either a 12" SVGA (300 cd/m<sup>2</sup>), a 15" XGA (400 cd/m<sup>2</sup>) or a 17" SXGA (300 cd/m<sup>2</sup>) TFT LCD.

The systems are powered by an Intel® Atom N270 1.6Ghz processor. They support 4 USB 2.0 ports, 4 COM ports, and 2 Gigabit LAN ports.

The IMP-A1x1T systems operate on 10.8 ~ 32VDC power.

Equipped with a touch screen, they are 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
- ✓ Black painted steel front panel<sup>①</sup> with NEMA 4/IP 65 rating
- ✓ 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
- ✓ 2 PCI expansion slots
- ✓ 160 GB rugged Hard Disk
- ✓ Slim CD-RW/DVD Combo Drive (optional DVD-RW / DVD+RW Drive)
- ✓ 10.8 ~ 32 VDC wide-ranging input

① Other colors available on request

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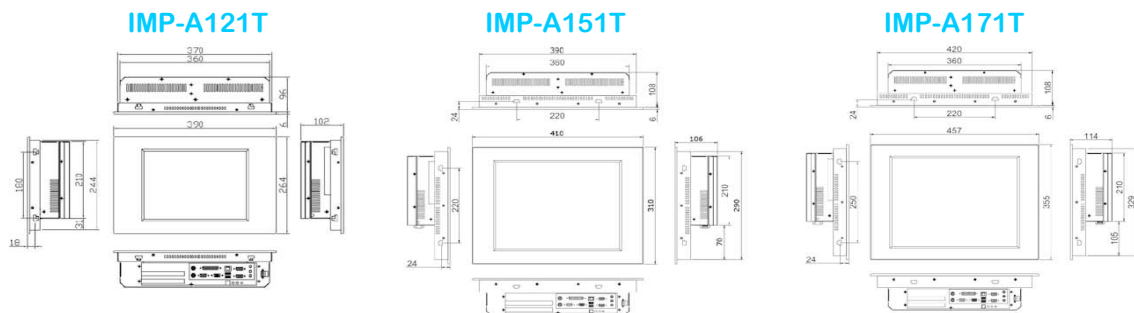
## System Specifications

Model:	IMP-A121T	IMP-A151T	IMP-A171T
Display:	12" SVGA TFT 800 x 600 300 cd/m <sup>2</sup> 262K colors	15" XGA TFT 1024 x 768 400 cd/m <sup>2</sup> 16.2M colors	17" SXGA TFT 1280 x 1024 300 cd/m <sup>2</sup> 16.2M colors
Viewing Angle:	120° (H), 95° (V)	170° (H), 135° (V)	170° (H), 135° (V)
Backlight Lifetime:	50,000 hrs		
Touch Screen:	Resistive		
CPU Type/Speed:	Intel® Atom N270 1.6 GHz		
Chipset:	Intel® 945GSE + ICH7M		
Memory:	1 GB DDR2 SDRAM, Max 2 GB		
CD-ROM:	Slim CD-RW / DVD Drive		
Hard Drive:	2.5" Slim type 160 GB rugged hard disk		
I/O Ports:	3 x RS232 COM port, 1 x RS323/422/485 COM ports, 1 x Parallel, Audio In/Out, 2 x PS/2 (keyboard and mouse), 4 x USB 2.0, 1 x VGA, 2 x Gigabit LAN		
VGA Controller:	Built-in Intel® 945GSE		
Expansion Slots:	2 x PCI		
Power Input:	10.8~32VDC / 60W		10.8~32VDC / 120W

## Mechanical Specifications

Construction:	Heavy-duty steel chassis, IP-65 certified steel front panel		
Color:	Black front panel (other colors on request) / beige housing		
Mounting:	Panel mount		
Operating Temperature:	0~50°C		
Storage Temperature:	-20°C~60°C		
Vibration:	5 - 17Hz, 0.1" double amplitude displacement; 17 - 640Hz, 1.5G acceleration peak to peak		
Shock:	10G acceleration peak to peak (11ms)		
EMC:	FCC/CE Class A certified		
Dimensions (W/H/D):	457 x 355 x 114mm	410 x 310 x 106mm	457 x 355 x 114mm

## Dimensions



<b>IMU-AMEM4</b>	Upgrade 1GB to 2GB RAM	<b>IMU-A12GFG</b>	IMP-A121T upgrade to SecureTouch
<b>IMU-IDExxG</b>	Upgrade to xxGB Solid State Disk	<b>IMU-A15GFG</b>	IMP-A151T upgrade to SecureTouch
<b>IMU-CD2RW</b>	Upgrade to DVD-RW / DVD+RW Drive	<b>IMU-A17GFG</b>	IMP-A171T upgrade to SecureTouch
<b>IMU-A12SS</b>	IMP-A121T upgrade to Stainless Steel front panel	<b>IMA-PS1260</b>	110/220VAC Power Supply for IMP-A121T/A151T
<b>IMU-A15SS</b>	IMP-A151T upgrade to Stainless Steel front panel	<b>IMA-PS12120</b>	110/220VAC Power Supply for IMP-A171T
<b>IMU-A17SS</b>	IMP-A171T upgrade to Stainless Steel front panel		

**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.