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Industrial Micro Computers



IMP-A1x4T

12"/15"/17"/19" Fanless Panel PC

- ✓ Front Panel NEMA 4/IP 65 rating
- ✓ Intel® Pentium Mobile 1.6GHz processor
- ✓ Resistive Touch Screen
- ✓ 120GB Industrial Hard Disk, CD-RW/DVD
- ✓ 2 PCI expansion slots
- ✓ 12/24 VDC wide-ranging input



DESCRIPTION

IMP-A1x4T is a series of compact, industrial Panel PCs with either a 12" SVGA (400 cd/m²), a 15" XGA (450 cd/m²), a 17" SXGA (300 cd/m²) or a 19" SXGA (300cd/m²) TFT LCD.

The systems are powered by an Intel® Pentium Mobile 1.6GHz processor. They support 4 USB 2.0 ports, 3 COM ports, and 2 Gigabit LAN ports.

The IMP-A1x4T systems operate on 10.8 ~ 28VDC 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* with NEMA 4/IP 65 rating
- ✓ Intel® Pentium Mobile 1.6 GHz processor, 1 GB RAM
- ✓ Low-power consumption
- ✓ Resistive touch screen (optional vandal proof SecureTouch touch screen)
- ✓ LAN, USB, RS232, Audio
- ✓ 120 GB rugged Hard Disk
- ✓ Slim CD-RW / DVD Combo Drive (optional DVD-RW / DVD+RW Drive)
- ✓ 2 PCI expansion slots
- ✓ 10.8 ~ 28 VDC wide-ranging input

* Other colors available on request

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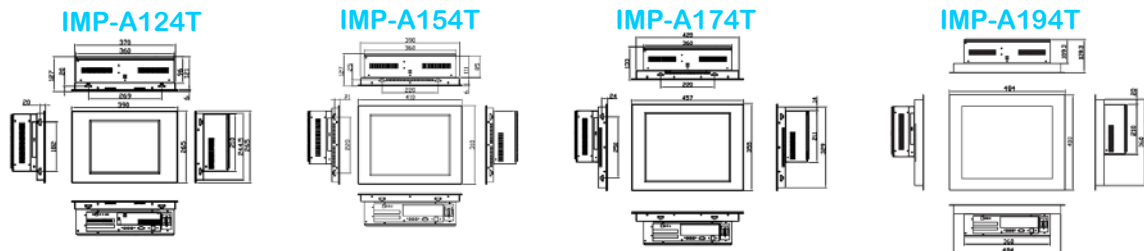
System Specifications

Model:	IMP-A124T	IMP-A154T	IMP-A174T	IMP-A194T
Display:	12" SVGA TFT 800 x 600 400 cd/m ² 262K colors	15" XGA TFT 1024 x 768 450 cd/m ² 16.2M colors	17" SXGA TFT 1280 x 1024 300 cd/m ² 16.2M colors	19" SXGA TFT 1280 x 1024 300 cd/m ² 16.2M colors
Viewing Angle:	130° (H), 110° (V)	140° (H), 125° (V)	140° (H), 130° (V)	160° (H), 160° (V)
Backlight Lifetime:	50,000 hrs			
Touch Screen:	Resistive			
CPU Type/Speed:	Intel® Pentium M; ULV 1.6 GHz			
Chipset:	Intel® 910GML E & ICH6M			
Memory:	1GB 240-pin DDR2 DIMM, Max. 2 GB			
BIOS:	Phoenix-Award PnP BIOS			
Hard Drive Interface:	SATA			
CD-ROM:	Slim CD-RW / DVD Drive			
Hard Drive:	2.5" Slim type 120 GB rugged hard disk			
I/O Ports:	3 x RS232 COM port, 2 x PS/2 (keyboard and mouse), 4 x USB 2.0, VGA 2 x Realtek RTL8111B Gigabit LAN, supports Wake-On-LAN			
VGA Controller:	Built-in Intel® 910GML E			
Expansion Slots:	2 x PCI			
Power Input:	10.8~32VDC/ 60W		10.8~32VDC/ 120W	10.8~32VDC/ 150W

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):	390 x 265 x 127mm	410 x 310 x 127mm	457 x 355 x 133mm	484 x 400 x 139.3mm

Dimensions



Upgrades/Accessories

IMU-AMEM4	Upgrade 1GB to 2GB RAM	IMU-A17SS	IMP-A174T upgrade to Stainless Steel front panel
IMU-HD80	Upgrade 40GB to 80GB rugged HD	IMU-A19SS	IMP-A194T upgrade to Stainless Steel front panel
IMU-HDAUTO	Upgrade to 40GB Automotive HD	IMU-A12GFG	IMP-A124T upgrade to SecureTouch
IMU-IDExxG	Upgrade to xxGB Solid State Disk	IMU-A15GFG	IMP-A154T upgrade to SecureTouch
IMU-CD2RW	Upgrade to DVD-RW / DVD+RW Drive	IMU-A17GFG	IMP-A174T upgrade to SecureTouch
IMU-A12SS	IMP-A124T upgrade to Stainless Steel front panel	IMA-PS1260	110/220VAC Power Supply for IMP-A124T/A154T
IMU-A15SS	IMP-A154T upgrade to Stainless Steel front panel	IMA-PS12150	110/220VAC Power Supply for IMP-A174T/A194T

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.