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Industrial Micro Computers



IMP-A1x2T

12"/15"/17" Fanless Panel PC

- ✓ Front Panel NEMA 4/IP 65 rating
- ✓ Intel® Celeron Mobile 1.0GHz processor
- ✓ Resistive Touch Screen
- ✓ 40GB Industrial Hard Disk, CD-RW/DVD
- ✓ 2 PCI expansion slots
- ✓ 12/24 VDC wide-ranging power input



DESCRIPTION

IMP-A1x2T is a series of compact, industrial Panel PCs with either a 12" SVGA (300 cd/m²), a 15" XGA (400 cd/m²) or a 17" SXGA (300 cd/m²) TFT LCD.

The systems are powered by an Intel® Celeron Mobile 1.0GHz processor. They support 2 USB 2.0 ports, 3 COM ports, and 1 LAN port.

The IMP-A1x2T 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^① with NEMA 4/IP 65 rating
- ✓ Intel® Celeron Mobile 1.0 GHz processor, 512 MB RAM
- ✓ Low-power consumption
- ✓ Resistive touch screen (optional vandal proof SecureTouch touch screen)
- ✓ LAN, USB, RS232/422/485, Audio
- ✓ 2 PCI expansion slots
- ✓ 40 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

Indumicro.com bv | P.O. Box 589 | NL-6710 BD Ede

+31 (0) 318 668 912

sales@indumicro.com | www.indumicro.com

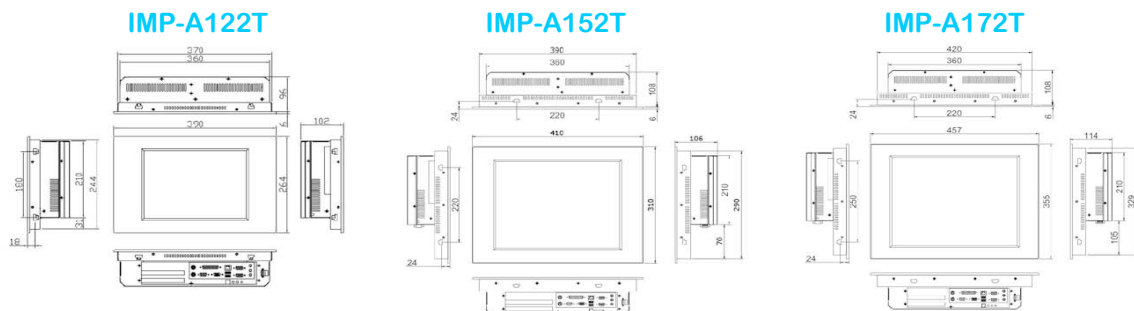
System Specifications

Model:	IMP-A122T	IMP-A152T	IMP-A172T
Display:	12" SVGA TFT 800 x 600 300 cd/m ² 262K colors	15" XGA TFT 1024 x 768 400 cd/m ² 16.2M colors	17" SXGA TFT 1280 x 1024 300 cd/m ² 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® Celeron M; ULV 1.0 GHz		
Chipset:	Intel® 852GM + ICH4		
Memory:	512MB DDR266 SDRAM, Max 1 GB		
BIOS:	Phoenix-Award 2MB PnP BIOS		
IDE Interface:	UDMA 33/66/100x2		
CD-ROM:	Slim CD-RW / DVD Drive		
Hard Drive:	2.5" Slim type 40 GB rugged hard disk		
I/O Ports:	1 x RS232 COM port, 2 x RS323/422/485 COM ports, 1 x Parallel, Audio In/Out, 2 x PS/2 (keyboard and mouse), 2 x USB 2.0, 1 x VGA, 1 x Ethernet Realtek RTL8100 (10/100Mbps) supports Wake-On-LAN		
VGA Controller:	Built-in Intel® 852GM		
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



Upgrades/Accessories

IMU-AMEM3	Upgrade 512MB to 1GB RAM	IMU-A17SS	IMP-A172T upgrade to Stainless Steel front panel
IMU-HD80	Upgrade 40GB to 80GB rugged HD	IMU-A12GFG	IMP-A122T upgrade to SecureTouch
IMU-HDAUTO	Upgrade to 40GB Automotive HD	IMU-A15GFG	IMP-A152T upgrade to SecureTouch
IMU-IDExxG	Upgrade to xxGB Solid State Disk	IMU-A17GFG	IMP-A172T upgrade to SecureTouch
IMU-CD2RW	Upgrade to DVD-RW / DVD+RW Drive	IMA-PS1260	110/220VAC Power Supply for IMP-A122T/A152T
IMU-A12SS	IMP-A122T upgrade to Stainless Steel front panel	IMA-PS12120	110/220VAC Power Supply for IMP-A172T
IMU-A15SS	IMP-A152T 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.