

12" TFT LED SVGA 4:3 Flush Panel PC with Intel® Atom™ D525, 1.8GHz, Touch Screen, 1GB DDR3, 4xUSB, 4xCOM and VGA

Incorporated a 12.1" 4:3 touch screen LCD panel with resolutions up to 800x600 (SVGA) and 350 nits brightness, industrial motherboard for versatile industrial applications, the APPC 1220T is fanless Panel PC based on the Atom™ D525 processor. The Panel PC comes with flush panel design and can have IP65 front for industrial applications. The touch screen provides the durable, reliable, and scratch-able benefits for easy maintenance in wide applications, especially for food and beverage industrial, which require strictly cleaning process.

The APPC 1220T Panel PC has 2GbE LAN, 2 x COMs, 2x USB, PS2 KB/MS, and Line-in/Line-out/MIC-in. With wide range power input from 12V to 30V, the APPC series can have industrial field and machine devices. With 2nd display by VGA, APPC series can hook 2nd display via VGA port with different content.

Depending on applications, customers can easily remove rear chassis to implement DDR3 memory, 2.5" HDD and 2 x Mini-PCle. Based on APPC 1220T model, APPC 1221T has two RS-232/422/485 COM ports with isolation to fit industrial applications plus two additional RS-323 COM ports. In addition, one GPIO port for 4 input/output is available for digital control. There is also an optional CAN bus interface for communication with CAN bus device.

Features

- 4:3 12.1" Fanless LED Panel Computer
- Intel® Atom™ D525, Dual Core, Low Consumption CPU
- Fully flat 5-wire Touch Screen
- Dual GbE; 2nd Display VGA/ Line-in/ Line-out/ MIC-in/ PS2 KB/MS
- USB x 4 / 2 x Mini-PCle/ 1 x CF/ 2 x RS232/ 422/ 485
- Optional Wi-Fi Module / 2.5" HDD / 2 x COMs / GPIO / CAN Bus
- DDR3 1GB / 2.5" HDD Bracket
- IP65 Compliant Front Panel
- Mounting Support: Panel/ Wall/ Stand/ VESA 100mm x 100mm
- Wide Range Power Input 12V~ 30V DC

12" TFT LED SVGA 4:3 Flush Panel PC APPC 1220T / 1221T



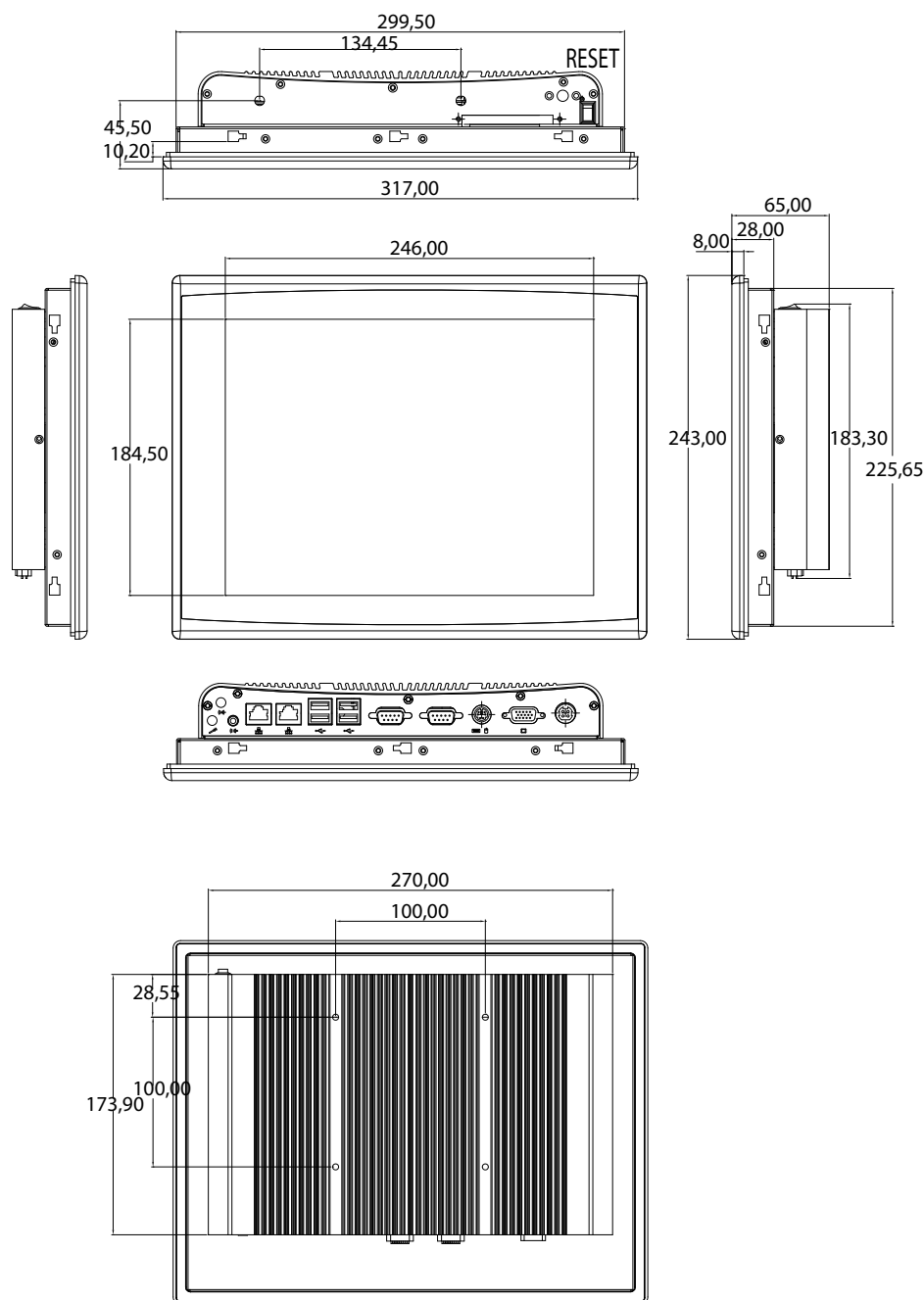
Specifications: see next page

Panel	
LCD Size	12.1", 4:3
Resolution	SVGA 800x600
Luminance	350cd/m ²
Contrast ratio	300
LCD color	262K
Viewing angle	50(U), 60(D), 70(L), 70(R)
Backlight	LED
Touch screen	Fully flat 5-wire resistive
Touch light transmission	80%
Touch interface	USB
System	
CPU	Intel® Atom™ D525, 1.8GHz
BIOS	AMI BIOS
System chipset	Intel® ICH8M
System memory	1x 204-pin DDR3 SO-DIMM socket, 1G DDR3 (Default), Support up to 2GB DDR3 800, Non-ECC and Un-buffered
Storage	SSD: one external locked CF socket by IDE support Type I/II compact Flash card
Hard drive bay	Optional 2.5" SATA HDD or SATA DOM
Watchdog timer	Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (Tolerance 15% under room temperature 25°C)
H/W status monitor	Monitoring system temperature, and voltage
Expansion	2x Mini-PCIe sockets
NEXCOM Xcare platform system management supported	
Rear I/O	
CAN BUS (for APPC1221T Optional) GPIO (for APPC1221T only): 4 x digital in / 4 x digital out COM #1: RS232/422/485 (APPC 1221T w/ 2.5kv isolated) COM #2: RS232/422/485 (APPC 1221T w/ 2.5kv isolated) COM #3 & COM #4 (for APPC 1221T only): 2x RS232 Ethernet: 2 x RJ45 2nd display VGA port: 1 x DB15 Audio port: 1 x Line out; 1 x Line in; 1 x MIC-in USB: 4 x USB 2.0 PS2 keyboard/ mouse Power switch Reset button	

Audio	
AC97 codec	Realtek ALC888
Audio interface	Line out/Line in/MIC-in Audio Jack
Ethernet	
LAN chip:	Dual Intel® 82574L Gigabit LAN
Ethernet interface	10/100/1000 Based-Tx Ethernet compatible
Mechanical & Environment	
Color	Pantone Black
IP protection	IP65 front
Mounting	panel/ wall/ stand/ VESA 100mm x 100mm
Power input	12V~ 30V DC
Power adapter	Optional AC to DC power adaptor (+12V, 60W)
Vibration	IEC 68 2-64 (w/ HDD) 0.5Grms @sine, 5~500Hz, 1hr/axis (HDD Operating) 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (Non-operating)
Shock	IEC 68 2-27. HDD: 20G@wall mount, half sine, 11ms
Operating temp. Storage temp.	-5°C to 50°C -20°C to 75°C
Operating humidity	10%~90% relative humidity, non-condensing
Dimensions	317 x 243 x 65mm
Weight	3.8 Kg
Certifications	
• CE approval • FCC Class A	
Part numbers	
APPC 1220T 10IA1220T00X0	12.1" TFT LED Panel PC with Intel® Atom™ D525 1.8 GHz, touch screen, 1GB DDR3, COM#1/ #2
APPC 1221T 10IA1221T00X0	12.1" TFT LED Panel PC with Intel® Atom™ D525 1.8 GHz, touch screen, 1GB DDR3, COM#1/ #2 w/ isolation, COM#3/ #4, GPIO (CAN bus Optional)
Option 7400060002X00	12V, 60W AC/DC power adapter w/o power cord

Specifications are subject to change without notice.

Specifications: see next page



- **Monitors**

Desktop Monitors
Large screen Monitors
Custom-made Monitors
19" Rack Mount Monitors
Rear Mount Monitors
Monitors for Panel Mount
Monitors for VESA Mount
Kiosks
Accessories

- **Monitors – Specific applications**

Stainless Steel Monitors
Car Displays
Marine Monitors
Military Monitors
Replacement Monitors
Train Monitors

- **Panel PC's**

High Performance Systems
Custom made Panel PC's
Low Power Systems
Extreme environments

- **Pointing devices**

Accessories
Touchpads
Trackballs
Trackball Modules
Joysticks
Custom made Pointing Devices

- **Keyboards**

Desktop Keyboards with or without pointer
Built-in Keyboards with or without pointer
Cables & Connectors
Custom made Keyboards



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Contact details:

The Netherlands
Mulder-Hardenberg B.V.
Westerhoutpark 1a
2012 JL Haarlem
Tel.: +31 23 531 91 84
infoNL@m-h.biz

Belgium, France, Luxembourg
Mulder-Hardenberg N.V.
Hoge Weg 129
B-2940 Stabroek
Belgium
Tel.: +32 3 660 13 20
infoBE@m-h.biz

Germany
Mulder-Hardenberg GmbH
Nordring 13
D-65719 Hofheim/Ts
Tel.: +49 6192 - 97 91 85
infoDE@m-h.biz