MPPC 2130T

Main Features

- 16:9 21.5" Fanless Panel Computer
- Intel® Atom™ D2550, Dual Core, Low Consumption CPU
- Dual GbE/ 2nd display-VGA or HDMI/ Line-in/ Line-out/ MIC-in
- 4x USB/ 2x Mini-PCIe sockets/ 1x CFast/ 2x RS232/422/485

- DDR3 2GB/ 2.5" HDD Bracket/ Two Speakers
- Optional 3.5G/ Wi-Fi Module/ 2.5"HDD/ Panel Mount Kit
- Panel Mount/ VESA Mount Compliance
- Wide Range Power Input 12V~30V DC

Product Overview

The MPPC 2130T is available in 21.5" 16:9 LCD size with resolutions up to 1920x1080 (full HD) and industrial motherboard making it the perfect "signage ready" Panel PC solution for self Service/Kiosk and interactive digital signage players. The resistance touch screen enhances user interaction to offer improved customer service. In addition, the MPPC 2130T is fanless multimedia Panel PC which is powered by a high performance Intel® Atom™ D2550 processor with Intel® NM10 Express chipset and support for DDR3 memory, which enable simultaneous running of rich stream dynamic multimedia content. Other features include built-in dual Ethernet, optional Wi-Fi module, the slimmest x86 based touch terminal and panel/ VESA mount design which Minimizes space and enables installation almost any location, including retail outlets, supermarkets, train station and airports.

Specifications

Panel
- LCD size: 21.5", 16:9
- Resolution: full HD, 1920 x 1080
- Luminance: 420 cd/m²
- Contrast ratio: 3000
- LCD color: 16.7M
- Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)
- Backlight: LED

Touch Screen
- 5-wire Resistive
- Touch light transmission: 80%
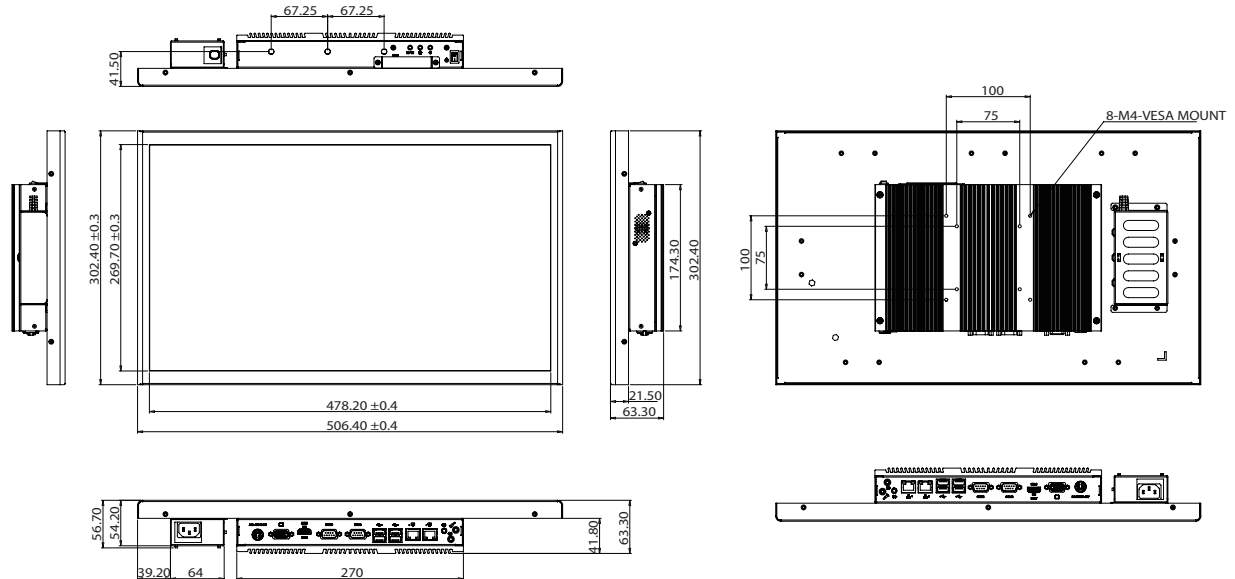- Touch interface: USB

System
- CPU: On-board Intel® Atom™ Dual Core processor D2550, 1.86GHz, 1M L2 Cache
- BIOS: AMI BIOS
- System chipset: Intel® NM10 Express chipset
- System memory: 2x 204-pin DDR3 SO-DIMM socket, 2GB DDR3 (Default),Support up to 4GB DDR3-800/1066, Non-ECC and Un-buffered

- Storage Device:
  - 1x external locked CFast socket
  - 1x hard drive bay: optional 1x 2.5" SATA HDD or 1x 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 (support optional WiFi or 3.5G module)
- Panel backlight control button: Increase brightness / decrease brightness / Backlight ON/Off

Rear I/O
- COM #1: RS232/422/485 w/RI or 5V selection
- COM #2: RS232/422/485 w/RI or 12V selection
- Ethernet: 2 x RJ45
- 2nd display port: VGA (1x DB15) and HDMI
- Audio port: 1x Line out; 1x Line in; 1x MIC-in
- USB: 4x USB 2.0
- Power switch
- Reset button

Dimension Drawing

Audio
- AC97 codec: Realtek ALC886-GR
- Audio interface: Line out/ Line in/ MIC-in Audio Jack
- Two 2W Speakers

Ethernet
- LAN chip: dual Intel® 82574L Gigabit LAN
- Ethernet interface: 10/100/1000 Based-Tx Ethernet compatible

Mechanical & Environment
- Color: pantone black\ RAL 15 00
- Mounting:
  panel/ wall/ stand/ VESA 75x75; 100x100mm
  Panel Mount Kit (Optional)
- Power input: 12V~30V DC
- Power adapter: 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 temperature: 0°C to 45°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 20%~80% relative humidity, non-condensing
- Dimension: 506.4 x 302.4 x 63.3 mm
- Weight: 6.5 Kg

Certifications
- CE approval
- FCC Class A

Ordering Information

- **MPPC 2130T (P/N: 90IM2130T00X0)**

  21.5" LED Backlight Panel PC with Intel® Atom™ D2550 1.86 GHz,
  5-wire resistive touch screen, 2GB DDR3, COM#1/ #2, Power Adapter