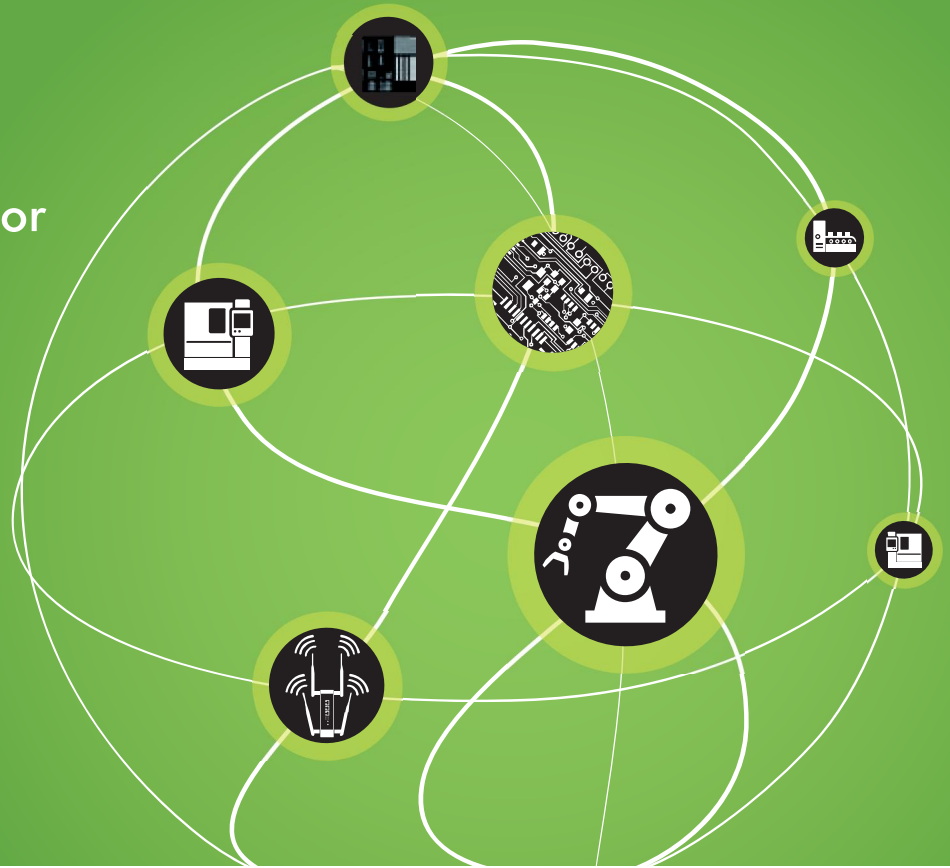


Industry 4.0 Innovator



2014 Industrial Computing Solutions

- Industrial Fanless Computer
- Machine & Factory Automation
- Industrial Wireless
- Applied Panel PC
- Embedded Computing & Customization Services



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Main Features

- ♦ 15" 4:3 XGA (1024 x 768) TFT LCD panel
- ♦ 15" projected capacitive true flat touch screen
- ♦ Fanless Kiosk Panel PC
- ♦ Intel® Atom™ D525 Dual-Core processor, 1.8GHz
- ♦ Support DDR3 SO-DIMM memory
- ♦ 2.5" removable SATA HDD
- ♦ Powered COM(4), USB(4), printer port(1), VGA(1), GbE LAN(1), cash drawer(1)
- ♦ Front bezel complies with IP-65 protection standard
- ♦ VESA 100mm x 100mm mounting for wall-mount application

Product Overview

The KPPC 1552 is a multi-functional and rugged Kiosk Panel PC, transcending various markets from Health Care, Gaming and Industrial applications. It has a State of the art 15" touch screen, with cutting edge Projected Capacitive Multi-Touch Technology from Japan. Zero Bezel (True Flat Surface) design and combined with its Solid IP65 Water and Dust proofing, makes it a perfect engine for any Kiosk Applications at any given harsh environment.

Unique Sleek and Noise Free Fanless Design driven by an Intel® Atom™ D525 Dual-Core Processor makes it a cost effective and high value terminal. Scalable M/B platform can be upgraded from Dual Core to Quad Core . Additional features like Removable HDD for COLD SWAPPING makes repair so easy, lowering terminal downtime to almost zero thus saving on maintenance cost.

KPPC 1552 supports 100mm x100mm VESA Standard for various mounting application from Wall Mount, Panel Mount and Bracket Mount e.g. Nursing/ Service cart, Bedside Care, Gaming Kiosk and many more.

Specifications

Panel

- ♦ LCD Size: 15", 4:3
- ♦ Resolution: XGA 1024 x 768
- ♦ Luminance: 250cd/m²
- ♦ Contrast ratio: 700
- ♦ LCD color: 16.2M
- ♦ Viewing angle: 80 (upper), 80 (lower), 85 (left), 85 (right)
- ♦ Backlight: CCFL
- ♦ Touch screen: projected capacitive true flat (zero bezel)
- ♦ Touch light transmission: 91%
- ♦ Touch interface: USB

System

- ♦ CPU: Intel® Atom™ D525, 1.8GHz
- ♦ BIOS: AMI BIOS
- ♦ System chipset: Intel® ICH8M
- ♦ System memory: 1 x 204-pin DDR3 SO-DIMM socket, 2GB DDR3 (default), optional support up to 4GB DDR3 800, Non-ECC and Un-buffered
- ♦ Hard disk drive: one 2.5" 320GB SATA HDD, removable type
- ♦ Expansion: 1 x Mini-card socket for Mini-PCIe and USB interface

Rear I/O

- ♦ USB: 4 x USB2.0 port
- ♦ COM: 4 x DB-9 powered RS-232 port, adjust RI/5V/12V by BIOS setting
- ♦ Ethernet: 1 x RJ-45, 10/100/1000 Mbps
- ♦ VGA: 1 x DB-15 2nd VGA port
- ♦ Cash drawer: 1 x RJ-11 port, support two cash drawers (24V, Max 1.1A)
- ♦ Parallel: 1 x DB-25 printer port
- ♦ Audio: 1 x Line-out jack
- ♦ DC-IN: 1 x +12VDC input, Mini-DIN 4 pin lock type
- ♦ DC-OUT: 1 x +12VDC output for 2nd display power (12V, Max 3.0A)

Audio

- ♦ High Definition audio codec: Realtek ALC886-GR
- ♦ Internal audio: one 3W speaker
- ♦ External audio: Line-out audio jack

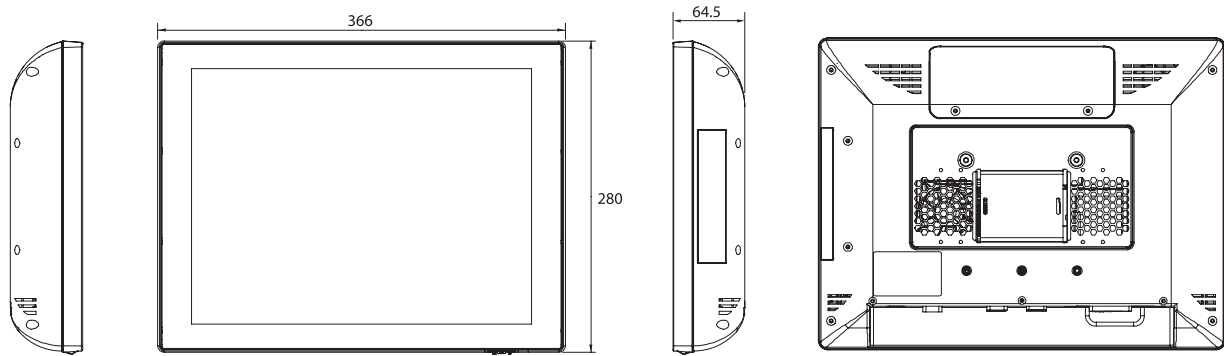
Ethernet

- ♦ LAN chip: Realtek RTL8111C-VC-GR Gigabit LAN
- ♦ Ethernet interface: 10/100/1000 Based-TX Ethernet compatible

Mechanical & Environment

- ♦ Color: beige/black
- ♦ Mounting: desktop type, optional VESA 100 x 100mm wall-mount

Dimension Drawing



- IP protection: front bezel complies with IP-65 protection standard
- Power input: +12VDC
- Power adapter: AC to DC power brick (+12VDC/8.33A, 100W)
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 60°C
- Operating humidity: 20%~80% relative humidity, non-condensing
- Dimension: 366mm(L) x 280mm(W) x 64.5mm(H)
- Weight: 5.0 kg
- Tilt angle: 0° ~ 80°

Certifications

- CE approval
- FCC Class A

Ordering Information

♦ KPPC 1552-010 (P/N: A0YK0155200X0)

- CPU: Intel® Atom™ D525, Dual-Core 1.8GHz L2 1MB
- LCD/touch: 15" XGA 1024 x 768 250nits AUO G-grade/PCT Zero Bezel Touch
- Memory: 2GB DDR3 SO-DIMM
- HDD: 320GB 2.5" SATA 5,400rpm
- Power: +12VDC/100W power brick
- Color: Beige

♦ KPPC 1552-030 (P/N: A0YK0155201X0)

- CPU: Intel® Atom™ D525, Dual-Core 1.8GHz L2 1MB
- LCD/touch: 15" XGA 1024 x 768 250nits AUO G-grade/PCT Zero Bezel Touch
- Memory: 2GB DDR3 SO-DIMM
- HDD: 320GB 2.5" SATA 5,400rpm
- Power: +12VDC/100W power brick
- Color: Black



Main Features

- ♦ 15" 4:3 XGA (1024 x 768) TFT LCD panel
- ♦ 15" projected capacitive true flat touch screen
- ♦ 2nd/3rd Generation Intel® Core™ i3/i5/z7 Processor
- ♦ Support DDR3 1333 SO-DIMM memory
- ♦ 2.5" removable SATA HDD
- ♦ Powered COM(4), USB(4), printer port(1), VGA(1), GbE LAN(1), Cash drawer(1)
- ♦ Front bezel complies with IP-65 protection standard
- ♦ VESA 100mm x 100mm mounting for wall-mount application

Product Overview

The KPPC 5852 is a multi-functional and Powerful Kiosk Panel PC, transcending various market applications from Health Care, Gaming and Industrial. It has a State of the art 15" touch screen with Projected Capacitive Multi-Touch Technology from Japan. Borderless (True Flat Surface) design combined with its Solid IP65 Water and Dust proofing, making it a perfect engine for any Kiosk Applications.

High-end performance 2nd/3rd Generation Intel® Core™ i3/i5/i7 Mobile Processor platform makes sure multi-applications runs smoothly and efficiently.

Removable HDD and Dust Filter design makes repair so easy, lowering terminal downtime to almost zero and thus saving on maintenance cost.

KPPC 5852 supports 100mm x 100mm VESA Standard for various mounting application from Wall Mount, Panel Mount and Bracket Mount e.g. Nursing/ Service cart, Bedside Care, Factory Automation and many more.

Specifications

Panel

- ♦ LCD Size: 15", 4:3
- ♦ Resolution: XGA 1024 x 768
- ♦ Luminance: 250cd/m²
- ♦ Contrast ratio: 700
- ♦ LCD color: 16.2M
- ♦ Viewing angle: 80 (upper), 80 (lower), 85 (left), 85 (right)
- ♦ Backlight: CCFL
- ♦ Touch screen: projected capacitive true flat (zero bezel)
- ♦ Touch light transmission: 91%
- ♦ Touch interface: USB

System

- ♦ CPU: Default: Intel® Pentium® Processor B950, 2C/2T, 2.10 GHz, 2MB Cache
- ♦ Upgrade Optional:
2nd Generation Intel® Core™ Mobile Processor: i7-2710QE, 4C/8T, 2.1GHz, 6MB Cache; i5-2510E, 2C/4T, 2.5GHz, 3MB Cache; i3-2330E, 2C/4T, 2.2GHz, 3MB Cache
Optional: Intel® Celeron® Processor B810, 2C/2T, 1.60 GHz, 2M Cache
- ♦ BIOS: AMI BIOS

- ♦ System chipset: Intel® BD82HM65 Platform Controller Hub, BD82HM65, FCBGA 989
- ♦ System memory: 1 x 204-pin DDR3 1333 SO-DIMM socket, 2GB DDR3 (default), optional two sockets support up to 8GB DDR3 1333, non-ECC and un-buffered
- ♦ Hard disk drive: One 2.5" 320GB SATA HDD, removable type
- ♦ Expansion: 1 x Mini-Card Socket for Mini-PCle and USB interface

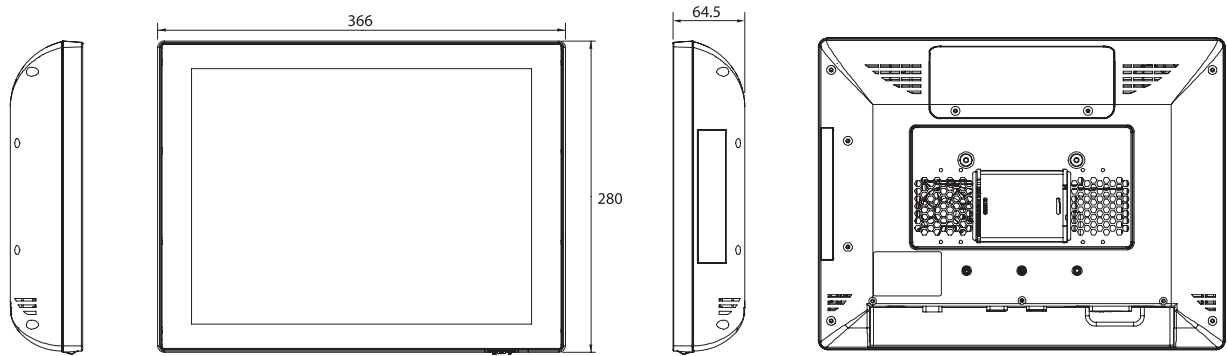
Rear I/O

- ♦ USB: 4 x USB2.0 port
- ♦ COM: 4 x DB-9 powered RS-232 port, adjust RI/5V/12V by BIOS setting
- ♦ Ethernet: 1 x RJ-45, 10/100/1000 Mbps
- ♦ VGA: 1 x DB-15 2nd VGA port
- ♦ Cash drawer: 1 x RJ-11 port, support two cash drawers (24V, Max 1.1A)
- ♦ Parallel: 1 x DB-25 printer port
- ♦ Audio: 1 x Line-out jack
- ♦ DC-IN: 1 x +19VDC input, Mini-DIN 4 pin lock type
- ♦ DC-OUT: 1 x +12VDC output for 2nd display power (12V, Max 3.0A)

Ethernet

- ♦ LAN chip: Intel® PHY WG82579LM Gigabit LAN

Dimension Drawing



- Ethernet interface: 10/100/1000 Based-TX Ethernet compatible

Mechanical & Environment

- Color: beige/black
- Mounting: desktop type, optional VESA 100 x 100mm wall-mount
- IP protection: front bezel complies with IP-65 protection standard
- Power input: +19VDC
- Power adapter: AC to DC power brick (+19VDC/6.315A, 120W)
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 60°C
- Operating humidity: 20%~80% relative humidity, non-condensing
- Dimension: 366mm(L) x 280mm(W) x 64.5mm(H)
- Weight: 5.0 kg

Certifications

- CE approval
- FCC Class A

Ordering Information

♦ KPPC 5852-010 (P/N: A0YK0585200X0)

- CPU: Intel® Pentium® Processor B950, 2C/2T, 2.10 GHz, 2MB Cache
- LCD/touch: 15" XGA 1024 x 768 250nits AUO G-grade/PCT Zero Bezel Touch
- Memory: 2GB DDR3 SO-DIMM
- HDD: 320GB 2.5" SATA 5,400rpm
- Power: +19VDC/120W power brick
- Color: Beige

♦ KPPC 5852-030 (P/N: A0YK0585201X0)

- CPU: Intel® Pentium® Processor B950, 2C/2T, 2.10 GHz, 2MB Cache
- LCD/touch: 15" XGA 1024 x 768 250nits AUO G-grade/PCT Zero Bezel Touch
- Memory: 2GB DDR3 SO-DIMM
- HDD: 320GB 2.5" SATA 5,400rpm
- Power: +19VDC/120W power brick
- Color: Black

MPPC 2130T

21.5" TFT Full HD 16:9 Fanless Panel PC with Intel® Atom™ D2550,
1.86 GHz, Touch Screen, 2GB DDR3, 4 x USB, 2 x COM



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
- ♦ 4 x USB/2 x Mini-PCle sockets/1 x CFast/2 x 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~30VDC

Product Overview

The MPPC 2130T is available in 21.5" 16:9 LCD size with resolutions up to 1920 x 1080 (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: 400 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: 2 x 204-pin DDR3 SO-DIMM socket, 2GB DDR3 (Default), Support up to 4GB DDR3-800/1066, Non-ECC and Un-buffered
- ♦ Storage Device:
 - 1 x external locked CFast socket
 - 1 x hard drive bay: optional 1 x 2.5" SATA HDD or 1 x 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: 2 x Mini-PCle sockets (support optional Wi-Fi 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: 1 x Line-out; 1 x Line-in; 1 x MIC-in
- ♦ USB: 4 x USB2.0
- ♦ Power switch
- ♦ Reset button

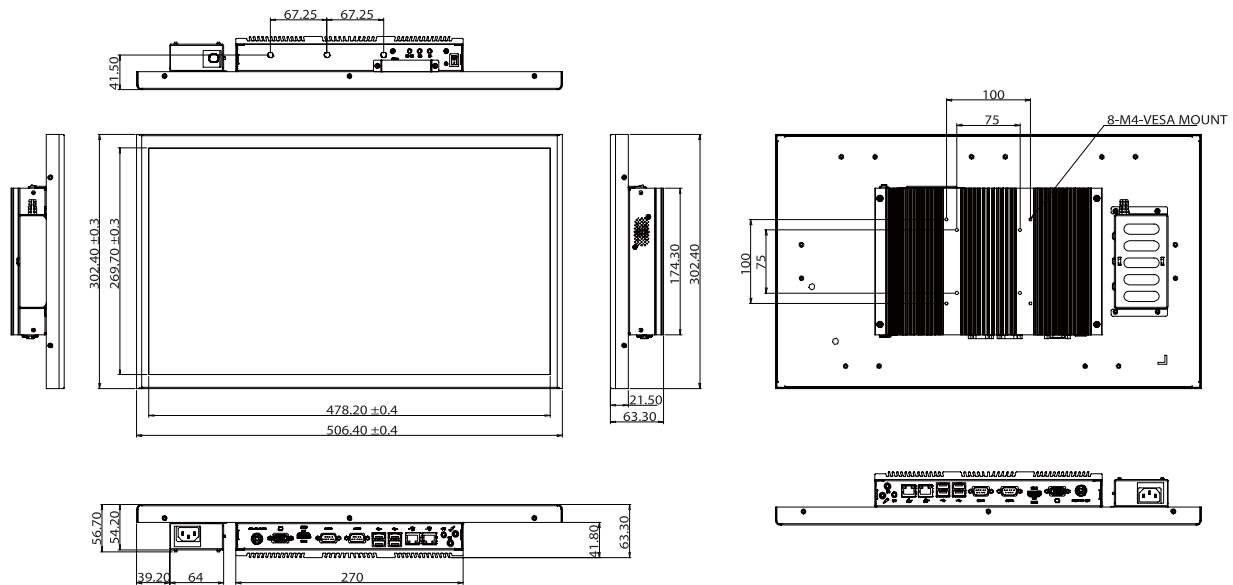
Audio

- ♦ 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

Dimension Drawing



Mechanical & Environment

- Color: pantone black\ RAL 15 00
- Mounting:
panel/wall/stand/VESA 75 x 75; 100 x 100mm
Panel Mount Kit (Optional)
- Power input: 12V~30VDC
- 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

MPPC 2130P

21.5" TFT Full HD 16:9 Fanless Panel PC with Intel® Atom™ D2550,
1.86 GHz, P-Cap Touch Screen, 2GB DDR3, 4 x USB, 2 x COM



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
- ♦ 4 x USB/2 x Mini-PCIe sockets/1 x CFast/2 x RS232/422/485
- ♦ Multi-touch P Cap Touch
- ♦ 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~30VDC
- ♦ Zero Bezel Flush Front design

Product Overview

The MPPC 2130P is available in 21.5" 16:9 LCD size with resolutions up to 1920 x 1080 (full HD) and industrial motherboard making it the perfect "signage ready" Panel PC solution for self Service/Kiosk and interactive digital signage players. The MPPC 2130P uses multi-touch P Cap Touch with flush zero bezel in a 100% flat surface which is elegant outlook and smooth touch feeling. In addition, the MPPC 2130P 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: 400 cd/m²
- ♦ Contrast ratio: 3000
- ♦ LCD color: 16.7M
- ♦ Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)
- ♦ Backlight: LED

Touch Screen

- ♦ Two points P-Cap (Projected Capacitive Touch)
- ♦ Touch light transmission: 85%
- ♦ Anti-scratch surface: 7H hardness
- ♦ 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: 2 x 204-pin DDR3 SO-DIMM socket, 2GB DDR3 (Default), Support up to 4GB DDR3-800/1066, Non-ECC and Un-buffered
- ♦ Storage Device:
 - 1 x external locked CFast socket
 - 1 x hard drive bay: optional 1 x 2.5" SATA HDD or 1 x 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: 2 x Mini-PCIe sockets (support optional Wi-Fi 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 (1 x DB15) and HDMI
- ♦ Audio port: 1 x Line-out; 1 x Line-in; 1 x MIC-in
- ♦ USB: 4 x USB2.0
- ♦ Power switch
- ♦ Reset button

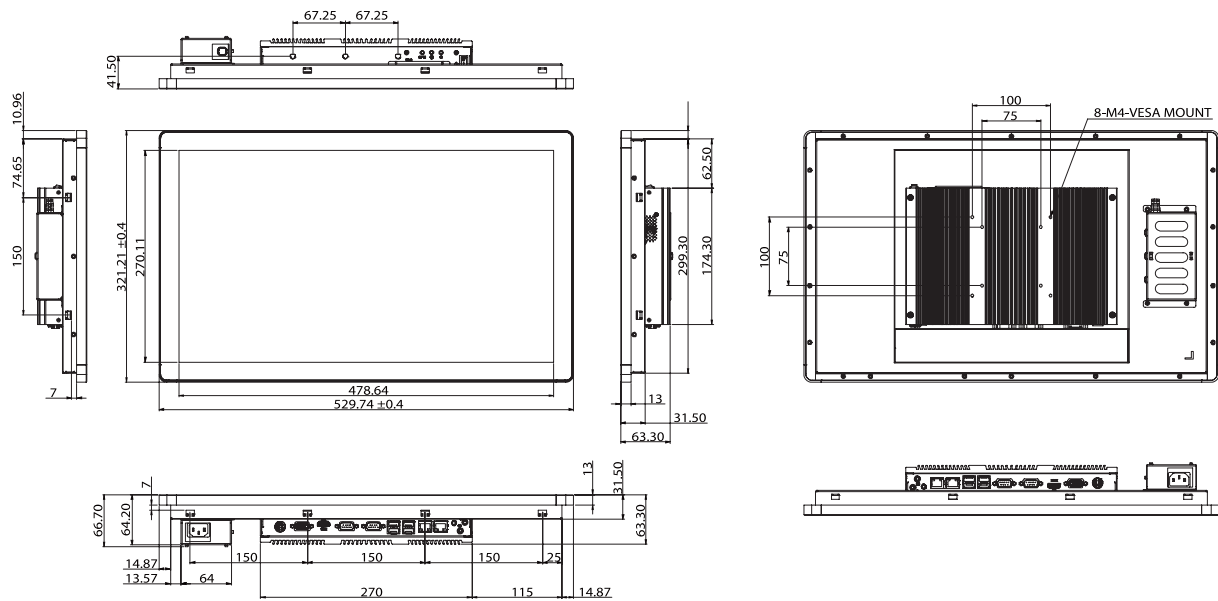
Audio

- ♦ 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

Dimension Drawing



- Ethernet interface: 10/100/1000 Based-Tx Ethernet compatible

Mechanical & Environment

- Color: pantone black\ RAL 15 00
- Mounting: stand/VESA 75 x 75; 100 x 100mm panel/wall/
Panel Mount Kit (Optional)
- Power input: 12V~30VDC
- 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: 529.7 x 321.2 x 63.3 mm
- Weight: 6.85 Kg

Certifications

- CE approval
- FCC Class A

Ordering Information

- ♦ **MPPC 2130P (P/N: 90IM2130P00X0)**
21.5" LED Backlight Panel PC with Intel® Atom™ D2550 1.86 GHz,
P-Cap touch screen, 2GB DDR3, COM#1/#2, Power Adapter