



MPC-21W Series

Fanless 21" HD Multi-Media
Touch Panel PC



Features

- 21.6" HD Digital Signage Panel PC
- MPC-21W5: Intel® Atom™ D525 Dual-Core 1.8GHz CPU
MPC-21W7: Intel® Atom™ D2550 1.86GHz CPU
MPC-21W4: AMD T40E Dual Core 1.0GHz CPU
- Gigabit Ethernet, Audio, 2 x 1W Speaker
- 1 CF, 1 COM, 2 USB
- Optional 1.3M Camera, WiFi Module
- Fanless System & VESA Compliance
- Wide Voltage +12V ~ +28V Input, ErP Power
- Power-On Timer
- Front Panel IP-65 Compliance



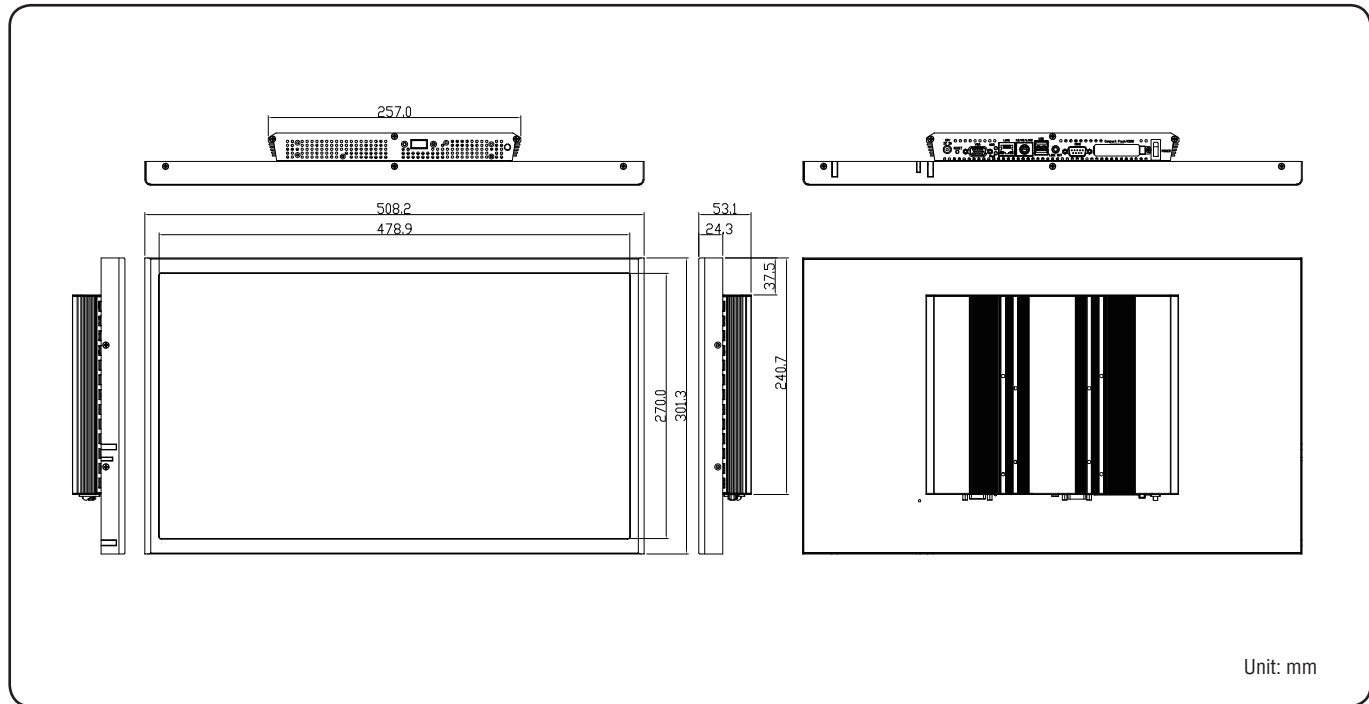
Specifications

MPC Series

Model Name	MPC-21W5	MPC-21W7	MPC-21W4
• LCD Size	21.6", 16:9	21.6", 16:9	21.6", 16:9
• Resolution	1920 x 1080 HD, 16.7M	1920 x 1080 HD, 16.7M	1920 x 1080 HD, 16.7M
• Pixel Pitch	0.248mm (H) x 0.248mm (V)	0.248mm (H) x 0.248mm (V)	0.248mm (H) x 0.248mm (V)
• Luminance	250cd/m ²	250cd/m ²	250cd/m ²
• Contrast Ratio	1000	1000	1000
• Viewing Angle	80 (U), 80 (D), 85 (L), 85 (R)	80 (U), 80 (D), 85 (L), 85 (R)	80 (U), 80 (D), 85 (L), 85 (R)
• Response Time	5ms	5ms	5ms
• Backlight	4 x CCFL	4 x CCFL	4 x CCFL
• Touch Screen	Resistive	Resistive	Resistive
• Light Transmission	80%	80%	80%
• Touch Interface	USB	USB	USB
System			
• Board	EBM-PNV	EBM-CDV	EBM-A50M
• CPU	Onboard Intel® Atom™ D525 Dual-Core 1.8GHz CPU	Onboard Intel® Atom™ D2550 1.86GHz CPU	Onboard AMD Fusion™ Accelerated Dual-Core Processor T40E Dual Core 1.0GHz CPU
• BIOS	AMI 8Mbit Flash BIOS	AMI 16Mbit SPI BIOS	AMI 32Mbit SPI BIOS
• System Chipset	Intel® ICH8-M Chipset (2.4W)	Intel® NM10	AMD A50M
• I/O Chip	Winbond W83627DHG	E/C IT8518E	Winbond W83627DHG-P
• System Memory	Onboard 1GB Up to 2GB & One 204-pin SODIMM Supports Up to 4GB DDR3 800MHz SDRAM	One 204-pin SODIMM Supports Up to 4GB DDR3 1066MHz SDRAM	Onboard 2G DDR3 1066 SDRAM, One 204-pin SODIMM Up to 4GB DDR3 1066MHz SDRAM
• SSD	One CF Socket Supports Type I/II Compact Flash Card	One CompactFlash Type I/II Socket	One CompactFlash Type I/II Socket
• Hard Drive Bay	Optional One 2.5" HDD or SSD	Optional One 2.5" HDD or SSD	Optional One 2.5" HDD or SSD
• WiFi	Optional Mini PCIe WiFi 802.11b/g/n	Optional Mini PCIe WiFi 802.11b/g/n	Optional Mini PCIe WiFi 802.11b/g/n
• Watchdog Timer	Reset: 1 ~ 255min. and 1sec. or 1min./step	Reset: 1 ~ 255min. and 1sec. or 1min./step	Reset: 1sec. ~ 65535 sec./min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring System Temperature, Voltage, with Auto Throttling Control	Monitoring System Temperature, Voltage, with Auto Throttling Control	Monitoring System Temperature, Voltage, with Auto Throttling Control
• Expansion	2 x Mini PCIe	1 x Mini-PCIe (mSATA Supported)	2 x Mini-PCIe (mSATA Supported)
Rear Panel I/O			
• Serial Port	1 x RS-232/422/485 (Selected by Jumper)	1 x RS-232/422/485 (Selected by Jumper)	1 x RS-232/422/485 (Selected by Jumper)
• Ethernet	1 x RJ-45 (Intel® 82574L Gigabit Ethernet, Optional Dual 82574L Gigabit Ethernet)	1 x RJ-45 (Intel® 82574L Gigabit Ethernet, Optional Dual 82574L Gigabit Ethernet)	2 x RJ-45 (RealTek RTL8111E Gigabit Ethernet, Optional Dual RealTek RTL8111E Gigabit Ethernet)
• VGA	1 x DB-15	1 x HDMI (Co-layout with Displayport)	1 x HDMI (Co-layout with Displayport)
• Audio	1 x Line-out (Realtek ALC888 Supports 5.1-CH Audio)	Line-out (Realtek ALC892 Supports 5.1CH Audio)	Line-out (Realtek ALC892 supports 7.1-CH Audio)
• USB	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
• Mouse & K/B	1 x PS/2 KB & MS	1 x PS/2 KB & MS	1 x PS/2 KB & MS (Co-layout with 1 x RJ-45)
• Speaker	2 x 1W	2 x 1W	2 x 1W



Diagram



Environment & Mechanical

• Color	Front & Rear Panel Black
• Mounting	Wall/ Stand/ VESA 100mm X 100mm
• System Power Requirement	+12 ~ 28V DC Power Input
• Power Adapter	Input: 100 ~ 250VAC/ 47 ~ 63Hz Output: 84W Adapter (12V @ 7A Adapter)
• Operating Temperature	0 ~ 50°C (32 ~ 122°F)
• Storage Temperature	-20 ~ 75°C (-4 ~ 167°F)
• Relative Humidity	5% ~ 90% Relative Humidity, Non-condensing
• Dimensions (W x D x H)	508.2mm x 301.3mm x 53.1mm
• Weight	6Kgs/ 6.69Kgs (with Touch)

Ordering Information

- **MPC-21W5-A1T**
21.6" TFT Touch Panel PC with Intel® Atom™ D525 Dual-Core 1.8GHz CPU
- **MPC-21W5C-A1T**
21.6" TFT Touch Panel PC with Intel® Atom™ D525 Dual-Core 1.8GHz CPU and 1.3M Camera
- **MPC-21W7-A1T**
21.6" TFT Touch Panel PC with Intel® Atom™ D2550 1.86GHz CPU
- **MPC-21W7C-A1T**
21.6" TFT Touch Panel PC with Intel® Atom™ D2550 1.86GHz CPU and 1.3M Camera
- **MPC-21W4-A1T**
21.6" TFT Touch Panel PC with AMD Fusion Accelerated Dual-Core Processor T40E Dual Core 1.0GHz CPU
- **MPC-21W4C-A1T**
21.6" TFT Touch Panel PC with AMD Fusion Accelerated Dual-Core Processor T40E Dual Core 1.0GHz CPU and 1.3M Camera
- **ACC-WIFI-PCIE-7R**
Mini PCI-E WiFi 802.11 b/g/n Module w/ Antenna, Cable
- **ACC-ARM-D2R**
VESA STAND, 75 & 100mm
- **ACC-ARM-D8R**
Wall Mount Bracket VESA 75 & 100mm
- **ACC-ARM-D16R**
Multi-VESA STAND, 75 & 100mm
- **ADD-ARM-D23R**
L Type Stylish Table Stand VESA 75 & 100mm
- **ACC-CF-XX**
CompactFlash Card Series (xx=Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)

1
LPC
Series

2
APC
Series

3
PPC
Series

4
FPC
Series

5
MPC
Series

6
OPM
Series

7
SPC
Series

8
MTP
Series

9
RISC
Series

10
ACC