



# PPC-21W Series

Fanless 21" FHD TFT  
Multifunctional Plastic Panel PC



## Features

- 21" 5-wire Resistive Full HD TFT
- PPC-21W5: Intel® Atom™ D525 Dual Core 1.8GHz CPU  
PPC-21W7: Intel® Cedarview D2700 2.13GHz CPU  
PPC-21W4: AMD eOntario T40E 1.0GHz CPU
- Gigabit Ethernet, 2 x 2W Amplifier
- Mini PCIe, 1 CF, 1 COM, 2 USB
- Wide Voltage +12V ~ +28V Input, ErP Power
- IP-65 Compliant Front Panel
- Power-on Timer
- Programmable Function Key



## Specifications

Model Name	PPC-21W5	PPC-21W7	PPC-21W4
• LCD Size	21", 16:9	21", 16:9	21", 16:9
• Resolution, Color	1920 x 1080 Full HD TFT, 16.7M	1920 x 1080 Full HD TFT, 16.7M	1920 x 1080 Full HD TFT, 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 <sup>2</sup>	250cd/m <sup>2</sup>	250cd/m <sup>2</sup>
• 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	5-wire Resistive	5-wire Resistive	5-wire Resistive
• Light Transmission	80%	80%	80%
• Touch Interface	USB	USB	USB
<b>System</b>			
• Board	EBM-PNV	EBM-CDV	EBM-A50M
• CPU	Onboard Intel® Atom™ D525 Dual Core 1.8GHz CPU	Onboard Intel® Atom™ Cedarview Dual-Core D2700 2.13GHz CPU	Onboard AMD eOntario T40E 1.0GHz CPU
• System Chipset	Intel® ICH8-M Chipset	Intel® NM10 Chipset	AMD A50M Chipset
• I/O Chip	Nuvoton W83627DHG	E/C IT8518E	Nuvoton 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 1066MHz SDRAM, One 204-pin DDR3 SODIMM Up to 4GB DDR3 1066MHz SDRAM
• SSD	One CF Socket Supports Type I/II Compact Flash Card	One CF Socket Supports Type I/II Compact Flash Card	One CF Socket Supports Type I/II Compact Flash Card
• Hard Drive Bay	One 2.5" SATA HDD/ SSD	One 2.5" SATA HDD/ SSD	One 2.5" SATA HDD/ SSD
• WiFi	Optional USB or Mini PCIe WiFi Module	Optional USB or Mini PCIe WiFi Module	Optional USB or Mini PCIe WiFi Module
• 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	1 x Mini PCIe Slot	1 x Mini PCIe Slot	1 x Mini PCIe Slot
<b>Rear Panel I/O</b>			
• Serial Port	1 x RS-232	1 x RS-232	1 x RS-232
• 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 (Dual Realtek RTL8111E Gigabit Ethernet)
• VGA	1 x DB-15	N/A	N/A
• HDMI	N/A	1 x HDMI	1 x HDMI
• Audio	1 x Line-out (Realtek ALC888 Supports 5.1-CH Audio)	1 x Line-out (Realtek ALC892 Supports 5.1-CH Audio)	1 x Line-out (Realtek ALC892 Supports 5.1-CH Audio)
• USB	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
• Camera	1 x USB Camera (Optional)	1 x USB Camera (Optional)	1 x USB Camera (Optional)
• Mouse & K/B	1 x PS/2 KB & MS	1 x PS/2 KB & MS	N/A
• Speaker	2 x 2W	2 x 2W	2 x 2W

