



MPC-21W3

Fanless Intel® Atom™ N270 21" W Multimedia Panel PC with Intel® 945GSE + ICH7-M Chipset



Features

- Slim & Stylish Design
- 21" W Multimedia Panel PC
- Intel® Atom™ N270 1.6GHz CPU
- Onboard 1GB DDR2 Memory
- Dual Gigabit Ethernet, 2 x 2W Speakers
- Dual View, Optional TV-out
- 1 Mini PCI, 1 CF, 1 COM, 2 USB
- Optional Touch Screen, WiFi Module, 2.5" HDD
- Optional Mini PCIe
- Fanless System & VESA Compliance
- Single +12V Operation
- CE/FCC Class B

Atom™	Intel® 945GSE	2 GbE	Mini PCI	Dual View
CF	1 COM	2 USB	Fanless	CE/FCC Class B

1
Embedded System

2
LPC Series

3
PPC Series

4
FPC Series

5
MPC Series

6
ETX/XTX COM Express

7
3.5" SBC

8
EPIC

9
5.25" SBC

10
PC/104

11
RISC

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Peripherals

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Panel

• LCD size	21" W, 16:9
• Display Type	Full HD
• Resolution	1920 x 1080
• Pixel pitch	0.248mm (H) x 0.248mm (V)
• Luminance	300cd/m ²
• Contrast ratio	1000
• Viewing angle	80 (U), 80 (D), 85 (L), 85 (R)
• Response time	5ms
• Backlight	CCFL
• Touch Type (Optional)	5-wire Resistive

System

• CPU	Onboard Intel® Atom™ N270 1.6GHz (2.5W) CPU
• BIOS	Award 8Mbit Flash BIOS
• System Chipset	Intel® 945GSE/ ICH7-M
• I/O Chip	ITE 8712F
• System Memory	Onboard 1GB DDR2 and One 200-pin DDR2 SODIMM Supports Up to 2GB DDR2 400/ 533 (1GB Per Bank)
• SSD	One CF Socket by IDE Secondary Slave Channel Supports Type I/II Compact Flash Card
• Hard Driver Bay	Supports 2.5" SATA HDD
• Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring System Temperature, Voltage, with Auto Throttling Control
• Expansion	1 x Mini PCI, Optional 1 x Mini PCIe

Display

• Chipset	Intel® 945GSE GMCH Integrated GMA950 Graphics
• Display Memory	Intel® DVMT 3.0 Supports 224MB Frame Buffer Using System Memory
• Resolution	CRT Resolutions Up to 2048 x 1536
• Dual View	LVDS + CRT

Audio

• AC97 Codec	Realtek ALC655 Supports 5.1-CH Audio
• Audio Interface	Line-out

Ethernet

• LAN Chip	Dual Realtek RTL8111C Gigabit Ethernet
• Ethernet Interface	10/ 100/ 1000 Base-Tx Gigabit Ethernet Compatible

External I/O

• Serial Port	1 x RS-232/ 422/ 485
• Ethernet	2 x RJ-45
• VGA	1 x DB-15
• Audio port	Line-out
• USB	2 x USB 2.0

Mechanical & Environmental

• Color	Front & Rear Panel Black
• Mounting	VESA 100mm x 100mm; Wall/ Stand
• Power Input	100 ~ 250Vdc/ 47 ~ 63Hz
• Power Output	+12Vdc/ 7A (84W)
• Power Type	AT/ ATX
• Operating Temperature	0 ~ 40°C (32 ~ 104°F)
• Storage Temperature	-20 ~ 75°C (-4 ~ 167°F)
• Operating Humidity	5% ~ 90% Relative Humidity, Non-condensing
• Dimension (W x D x H)	508mm x 301mm x 53.8mm
• Weight	6kgs

Ordering Information

- MPC-21W3-270
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