



EMX-PNVB

Intel® Atom™ Processor D525 Mini ITX
Motherboard with Intel® ICH8M Express Chipset

- > Intel® Atom™ Processor D525 (1M Cache, 1.80 GHz)
- > Intel® ICH8-M Express Chipset
- > One 204-pin SO-DIMM Socket supports Up to 4GB DDR3 800/1066/1333 MHz SDRAM
- > VGA, Single-channel 18-bit LVDS
- > 2 x Realtek RTL8111E PCIe Gigabit Ethernet
- > Realtek ALC662/ 661 HD Audio Codec
- > 1 x Mini PCIe, 1 x PCI
- > 2 x SATA II, 1 x IDE 44-pin
- > 8 x USB 2.0
- > 6 x RS-232
- > 1 x 8-bit GPIO, 1 x LPT
- > ATX Power

+ Spec

System	
Processor	Intel® Atom™ Processor D525 (1M Cache, 1.80 GHz)
System Chipset	Intel® ICH8-M Chipset
System Memory	1 x 204-pin DDR3 1066/1333 MHz SO-DIMM up to 4 GB
I/O Chip	Winbond W83627UHG
BIOS	AMI 16Mbit SPI BIOS
Watchdog Timer	H/W Reset: 1sec.~255sec. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage and FAN Status with Auto Throttling Control
Expansion	
Expansion	1 x Mini PCIe Socket *Mini PCIe and mSATA SSD Switch Through Jumper 1 x PCI
I/O	
USB	8 x USB 2.0
SATA	2 x SATA II
COM Port	6 x RS-232
DIO	1 x 8-bit GPIO
MIO	1 x IDE 44-pin 1 x PS2 Keyboard 1 x PS2 Mouse 1 x LPT
Display	
Chipset	Integrated Intel® Graphics Media Accelerator Supports dual display
Resolution	VGA: Max. resolution 2048 x 1536 @ 60Hz LVDS: Max. resolution 1366 x 768 @ 60Hz LVDS + VGA Single-channel 18/ 24-bit LVDS
Audio	
Chipset	Realtek ALC661 supports 2-CH
Audio Interface	Mic-in and Line-out
Ethernet	
Chipset	2 x Realtek 8111E
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45
Mechanical & Environmental	
Power Requirement	+12V/+5V/5Vsb/+3.3V
Power Type	ATX
Operating Temp	0°C ~ 60°C (32°F ~ 140°F)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	6.69" x 6.69" (170mm x 170mm)
Weight	1.058lbs (0.48kg)

+ Ordering

EMX-PNVB-A1R
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