



### Features

- Onboard Intel® Atom™ D525 Dual Core 1.8GHz CPU
- Intel® ICH8-M Chipset
- One 200-pin DDR2 SODIMM Supports Up to 2GB DDR2 667 SDRAM
- Audio, Dual Gigabit Ethernet
- 1 SATA, 6 COM, 5 USB, 1 VGA, 1 CF
- Service Windows, Easy to Install SSD/ HDD and Memory
- 9 ~ 32V Wide Range DC Power Input
- Operating Temperature : -20 ~ 55°C, Ambient w/ Air Flow

Intel® Atom™	2 GbE	1 SATA	6 COM	5 USB
CF	Wide Voltage	Fanless		

### Specifications

#### System

• Board	ECM-PNV
• CPU	Onboard Intel® Atom™ D525 Dual-Core 1.8GHz CPU
• BIOS	AMI 8 Mbit Flash BIOS
• System Chipset	Intel® ICH8-M Chipset
• I/O Chip	ITE IT8712F-S
• System Memory	One 200-pin SODIMM Socket Supports Up to 2 GB DDR2 667 SDRAM
• SSD	1 x CompactFlash Type I/II Socket
• Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
• H/W Monitor	Monitoring System Temperature, Voltage, and Cooling Fan Status

#### External I/O

• COM	4 x RS-232 (COM1 ~ 4) ; 2 x RS-422/485 (COM5 ~ 6)
• LAN	2 x RJ-45
• VGA/ DVI Port	1 x VGA
• Audio	1 x Line-out
• USB	5 x USB 2.0 (Rear 3; Front 2)
• SSD	1 x CompactFlash Type I/II Socket
• Expansion Slot	2 x PCI Slots (AUX-039 + New Version of AUX-028)
• Antenna	2 Knockouts for Antenna Mounting (Options to Add WiFi & 3G)

#### Display

• Chipset	Intel® Pineview Integrated, GMA3150 @ 400MHz
• Resolution	CRT Mode: 2048 x 1536 @ 60Hz

#### Audio

• Audio Chipset	Realtek ALC888 HD Audio Codec
• Audio Interface	1 x Line-out

#### Ethernet

• LAN Chip	Dual Intel® 82574L Gigabit Ethernet, Supports Wake on LAN
• Ethernet Interface	10/ 100/ 1000 Base-Tx Fast Ethernet Compatible

#### Environment & Mechanical

• Power Requirement	9 ~ 32V Wide Range DC Power Input
• ACPI	Single Power ATX Support S0 ~ S5 ACPI 2.0B
• Power Type	AT/ ATX
• Operating Temperature	-20 ~ 55°C (HDD), Ambient w/ Air Flow
• Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
• Relative Humidity	0% ~ 90% Relative Humidity, Non-condensing
• Vibration Protection	With CF/ SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 1hr/axis With HDD: 1Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis
• Shock Protection	With CF/ SSD: 50G, IEC 60068-2-27, Half Sine, 11ms With HDD: 20G, IEC 60068-2-27, Half Sine, 11ms
• Dimension (W x D x H)	220mm x 215mm x 126mm
• Weight	7.7lbs (3.5Kgs)

### Ordering Information

- **EPS-PNV-525-A1-1R**  
Fanless Intel® Atom™ D525 Dual Core Rugged Embedded System with Intel® ICH8-M Chipset and 2 PCI
- **ACC-EPS-WM-1R**  
EPS-PNV Wall Mount Kit (RoHS)
- **ACC-CF-xx**  
CompactFlash Card Series (xx = Capacity, Capacity Option: 2, 4, 8, 16, 32GB)

1 Embedded System

2 Oseven Module

3 ETX/XTX COM Express

4 3.5" SBC

5 EPIC

6 5.25" SBC

7 ATX

8 Micro ATX

9 Mini ITX

10 Nano ITX

11 ACP

12 Rack Mount System

13 Mini ITX System

14 Peripherals

15 Index