



### Features

- Onboard Intel® Atom™ D525 Dual-Core 1.8GHz CPU (Optional: D510)
- Intel® ICH8-M Chipset
- One 200-pin SODIMM Up to 2GB DDR2 667 SDRAM
- 5.1-CH Audio, Dual Gigabit Ethernet
- 1 VGA, 1 CF, 1 SATA, 3 COM, 5 USB, 1 Mini PCIe
- Service Windows, Easy to Install HDD and Memory
- Fanless Operation
- -10 ~ 50°C Wide Temperature Operation
- Rugged Design for Vibration/ Shock Protection
- Optional Function:
  1. 9 ~ 32V Wide Range DC Power Input + Phoenix Type Power Conn
  2. Add 3 COMs in Front
  3. WiFi 802.11b/g Module

Atom™	5.1-CH Audio	2 GbE	1 CF	1 SATA
3 COM	5 USB	Mini PCIe	Fanless	Wide Temp.

### Specifications

#### System

• CPU	Onboard Intel® Atom™ D525 Dual-Core 1.8GHz CPU or D510 1.66GHz CPU (Optional)
• BIOS	AMI 8Mbit Flash BIOS
• System Chipset	Intel® ICH8-M Chipset
• System Memory	One 200-pin DDR2 SODIMM Supports Up to 2GB DDR2 667 SDRAM
• SSD	One CompactFlash Type I/II Socket with Ejector and CompactFlash Cover
• Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
• Display	Intel® Pineview Integrated, GMA3150 @ 400MHz
• Audio	Realtek ALC888 Supports 5.1-CH Audio
• Ethernet	Dual Intel® 82574L Gigabit Ethernet
• System Indicators	2 LED Indicators Show Power and HDD Status
• Drive Bay	Mounting Kit for One 2.5" HDD (Hidden)
• Expansion Interface	1 x Mini PCIe Slot (Internal)

#### External I/O

• COM	3 x RS-232, Optional 2 x RS-232, 1 x RS-422/ 485
• LAN	2 x RJ-45
• Display Output Port	1 x VGA
• Audio	Mic-in, Line-in, Line-out
• USB	5 x USB 2.0 (Rear 4 ; Front 1)

#### Power Supply Unit

• Power Input	100 ~ 240Vac/ 50 ~ 60Hz
• Power Output	12Vdc/ 5A (Screw Type; 60W)

#### Environment & Mechanical

• Power Requirement	12V
• Operating Temperature	-10°C ~ 50°C (14 ~ 122°F)
• Storage Temperature	-40°C ~ 75°C (-40 ~ 167°F)
• Relative Humidity	5 ~ 90% @ 40°C (104°F), Relative Humidity, Non-condensing
• Vibration Protection	With Compact Flash: 5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis With HDD: 1Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis
• Shock Protection	With Compact Flash: 50G, IEC 60068-2-27, Half Sine, 11ms With HDD: 20G, IEC 60068-2-27, Half Sine, 11ms
• Dimension (W x D x H)	271mm x 150mm x 55mm
• Weight	5.5lbs (2.5Kgs)

### Ordering Information

- **ERS-PNV-525**  
Fanless Intel® Atom™ D525 Dual-Core 1.8GHz Rugged Embedded System with Intel® ICH8-M Chipset and Heatsink, VGA, 3 COM, 5 USB, 2 Gigabit Ethernet, CF, Audio, 12V DC Input
- **ACC-ERS-WM**  
ERS Series Wall Mount Kit (RoHS)
- **ACC-CF-xx**  
CompactFlash Card Series (xx = Capacity, Capacity Option: 2, 4, 8, 16, 32GB)

- 1 Embedded System
- 2 ETX/XTX/COM Express
- 3 3.5" SBC
- 4 EPIC
- 5 5.25" SBC
- 6 PC/104
- 7 ATX
- 8 Micro ATX
- 9 Mini ITX
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