



### Features

- Onboard Intel® Atom™ D510 Dual-Core 1.66GHz CPU (Optional: D410/ N450)
- 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, 2 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	2 SATA
3 COM	5 USB	Mini PCIe	Fanless	Wide Temp.

\* Available on 2010 Q2

### Specifications

#### System

• CPU	Onboard Intel® Atom™ D510 Dual-Core 1.66GHz CPU or D410/ N450 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, GMA3135 @ 400MHz
• Audio	Realtek ALC888 Supports 5.1-CH Audio
• Ethernet	Dual Intel® 82574L Gigabit Ethernet
• System Indicators	2 LED Indicators Show The Power and HDD
• 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 (COM2 Can be Set as RS-422/ 485 by BIOS)
• 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
• Dimension (W x D x H)	271mm x 150mm x 55mm
• Weight	5.5lbs (2.5Kgs)

### Ordering Information

- **ERS-PNV-510**  
Fanless Intel® Atom™ D510 Dual-Core 1.66GHz 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)