



ERS-AT270

Fanless Intel® Atom™ N270 Rugged Embedded System with Intel® 945GSE + ICH7-M Chipset



Features

- Intel® Atom™ N270 1.6GHz with 512K Cache CPU
- Intel® 945GSE/ ICH7-M Chipset
- One 200-pin SODIMM Up to 2GB DDR2 533 SDRAM
- 5.1-CH Audio, Dual Gigabit Ethernet, DVI
- 1 CF, 1 SATA, 2 COM, 5 USB, 1 Mini PCIe
- Service Windows, Easy to Install HDD and Memory
- Fanless Operation
- -10 ~ 55°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 via EPM-1524
3. USB WiFi 802.11b/g Module

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

- 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
- 10 Nano ITX
- 11 ACP
- 12 Mini ITX System
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Specifications

System

• CPU	Intel® Atom™ N270 1.6GHz with 512K Cache CPU
• BIOS	Award 8Mbit Flash BIOS
• System Chipset	Intel® 945GSE/ ICH7-M Chipset
• System Memory	One 200-pin SODIMM Supports Up to 2GB DDR2 533 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® 945GSE Integrated
• Audio	Realtek ALC655 Supports 5.1-CH Audio
• Ethernet	Dual Intel® 82583V 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	2 x RS-232, Optional 1 x RS-232, 1 x RS-422/ 485
• LAN	2 x RJ-45
• Display Output Port	1 x VGA, 1 x DVI
• Audio	Mic-in, Line-in, Line-out
• USB	5 x USB 2.0 (Rear 4; Front 1)

Power Supply Unit

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

Environment & Mechanical

• Power Requirement	12V
• Operating Temperature	-10°C ~ 55°C (14 ~ 131°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-AT270**
Fanless Intel® Atom™ N270 Rugged Embedded System with Intel® 945GSE + ICH7-M Chipset and Heatsink, VGA, DVI, 2 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)