



# 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, TV-out
- 1 CF, 2 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 LPC to COM Module
  3. USB WiFi 802.11b/g Module

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

## 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 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	2 x RS-232 (COM2 Can be Set as RS-232/422/485 by BIOS)
• LAN	2 x RJ-45
• Display Output Port	1 x VGA, 1 x DVI, 1 x TV-out
• 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
• 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, TV-out, 2 COM, 5 USB, 2 Gigabit Ethernet, CF, Audio, 12V DC Input
- **ACC-ERS-WM**  
ERS Series Wall Mount Kit (RoHS)

1

Embedded System

2

LPC Series

3

PPC Series

4

FPC Series

5

MPC Series

6

ETX/XTX COM Express

7

3.5" SBC

8

EPIC

9

5.25" SBC

10

PC/104

11

RISC

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Peripherals

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