



ERS-AT270-A2

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



Features

- Onboard Intel® Atom™ N270 1.6GHz CPU
- Intel® 945GSE/ ICH7-M Chipset
- One 200-pin SODIMM Supports Up to 2GB DDR2 533 SDRAM
- 5.1-CH HD Audio, Dual Gigabit Ethernet
- 1 VGA, 1 LVDS, 1 SATA, 12 COM, 4 USB, 1 LPT, 2 PS/2, 1 CF, 16-bit GPIO
- Service Windows, Easy to Install HDD and Memory
- 0 ~ 50°C Fanless Operation, Ambient w/ air flow
- 1 DC-in 9 ~ 32V, 1 DC-out 12V



Specifications

System

• CPU	Onboard Intel® Atom™ N270 1.6GHz CPU
• BIOS	Award 4MBit Flash BIOS
• System Chipset	Intel® 945GSE/ ICH7-M
• I/O Chip	ITE 8712F/KX + Fintek F81216DG
• System Memory	One 200-pin SODIMM Supports Up to 2GB DDR2 533 SDRAM
• SSD	One CompactFlash Type I/II Socket
• Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring System Temperature, Voltage, and cooling Fan Status

External I/O

• COM Port	12 x DB-9 (11 x RS-232, 1 x RS-232/422/485) COM1~6 by EPI-945GSE, COM 7~12 by LPC Module
• LPT Port	1 x DB25 (by LPC Module)
• LAN Port	2 x RJ-45
• VGA Port	1 x DB-15 VGA
• LVDS	1 x 18-bit LVDS (as DVI conn. type), LVDS +3.3V
• Audio Port	Mic-in and Line-out
• USB Port	4 x USB 2.0
• SSD	1 x CompactFlash Type I/II Socket
• Digital I/O	1 x 8-bit GPI; 1 x 8-bit GPO. Conn. DB-9
• Indicate LED	Onboard : 1 x Power ; 1 x HDD Chassis: 1 x Power ; 1 x HDD

Display

• Chipset	Intel® 945GSE Integrated
• Resolution	CRT Mode: 2048 x 1536 @ 60Hz LVDS : 1600 x 1200 @ 75Hz

Audio

• Audio Chipset	Realtek ALC655 supports 5.1-CH HD Audio
• Audio Interface	Mic-in and Line-out

Ethernet

• LAN Chip	Dual Realtek RTL8111C Gigabit Ethernet, Supports Wake on LAN
• Ethernet Interface	10/100/1000 Base-Tx Fast Ethernet Compatible

Mechanical & Environmental

• Power Requirement	1 x DC-in (+9 ~ 32V/ 2-pin Phoenix Type DC Jack) 1 x DC-out (+12V/ 2-pin Phoenix Type DC Jack)
• Power Type	Single Power AT
• Operating Temp.	0 ~ 50°C (HDD/ CF), Ambient w/ Air Flow
• Storage Temp.	-20 ~ 75°C (-4 ~ 167°F)
• Operating Humidity	0%~90% Relative Humidity, Non-condensing
• Size (W x H x D)	235 x 100.8 x 165mm

Ordering Information

• ERS-AT270-A2-01R

Fanless Intel® Atom™ N270 Rugged Embedded System with VGA, LVDS, 12 COM, 4 USB, 2 Gigabit Ethernet, CF, Audio, GPIO, Wide Range DC Input