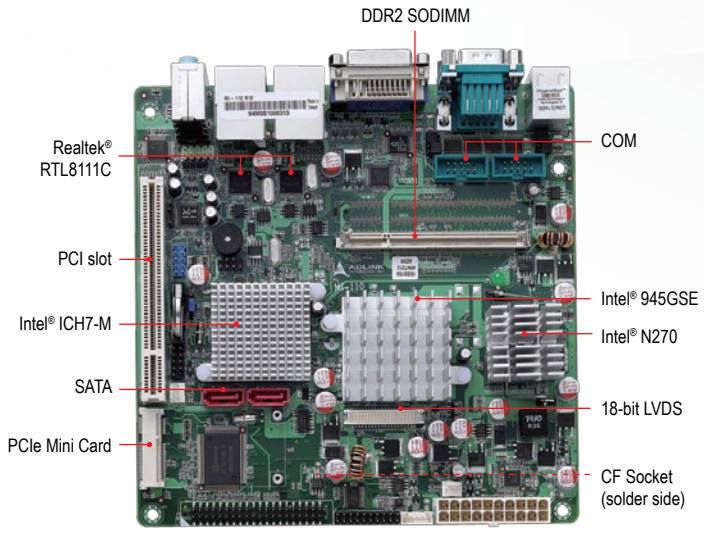
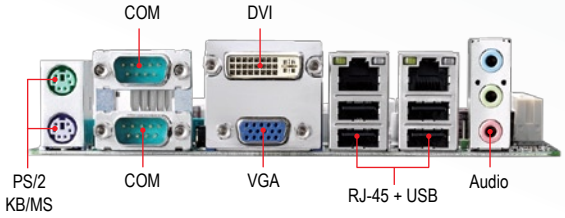
MI-110

Mini-ITX Embedded Motherboard with Intel® Atom™ Processor N270 and Intel® 945GSE/ICH7-M Chipset



Features

- Intel® Atom™ Processor N270
- Intel® 945GSE + ICH7-M Chipset
- One 200-pin SODIMM up to 2GB DDR2 533 SDRAM
- Dual Realtek RTL8111C GbE
- One PCI and one PCI Express® Mini Card slot



Specifications

Processor & System

CPU	Intel® Atom™ N270, 1.6 GHz, 533MHz FSB, 512KB L2 Cache, 45nm, 2.5W TDP, FCBGA
Chipset	Intel® 945GSE + ICH7-M Express Chipset
Memory	1x 200-pin SODIMM socket
	Support DDR2-533 SDRAM up to 2GB
BIOS	AMI BIOS®/Flash ROM 16Mb
Watchdog Timer	1-255sec./min. Software programmable
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltage
Operating Systems	Windows® XP, Vista

I/O Interfaces

IDE (PATA)	1x 40-pin ATA-66/100 IDE port
CompactFlash®	1x Type-II socket, shared with IDE port
Serial ATA	2x SATA 1.5 Gb/s ports
Expansion Slots	1x PCI™ slot
	1x PCI Express® Mini Card slot
USB	6x USB 2.0 ports, 4x external and 2x internal ports
KB/MS	2x Mini-DIN for PS/2 keyboard/mouse
Serial Port	4x RS-232 ports
GPIO	16x general–purpose digital I/O pins

Audio

Audio Codec	Realtek ALC888 codec
Interface	Mic-in/Line-in/Line-out

Display

Graphics	Intel® GMA950 integrated in 945GSE
VRAM	224 MB
CRT	External Dsub-15 connector, resolution up to 2048x1536 @ 75Hz (QXGA)
DVI	External DVI-I connector, via Chrontel 7307C, resolution up to 1600x1200 (UXGA)
LVDS	Internal header to support dual-channel 18-bit LVDS display, resolution up to 1600x1200 (UXGA)

Ethernet

Controller	Realtek 8111C GbE controller
Interface	PCIe® bus x1
Wake On LAN	Yes

Mechanical and Environmental

Form Factor	Mini-ITX
Dimensions	170 mm x 170 mm (L x W)
Operating Temp.	0°C to 60°C
Storage Temp.	-40°C to 80°C
Certifications	CE, FCC Class A
Relative Humidity	10% to 90%, non-condensing

Ordering Information

Model Number	Description/Configuration
MI-110	Mini-ITX Embedded Motherboard with Intel® Atom™ N270 processor and Intel® 945GSE/ICH7-M chipset

Packing List

MI-110	1x IDE cable
MI-110 I/O Shield	2x COM port cables with bracket
2x SATA data cables	Driver CD
2x SATA power cables	User's manual

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000