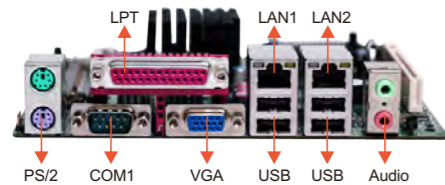
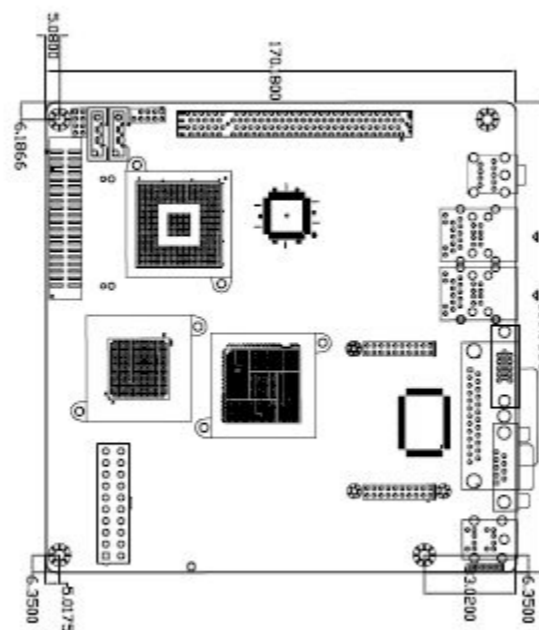
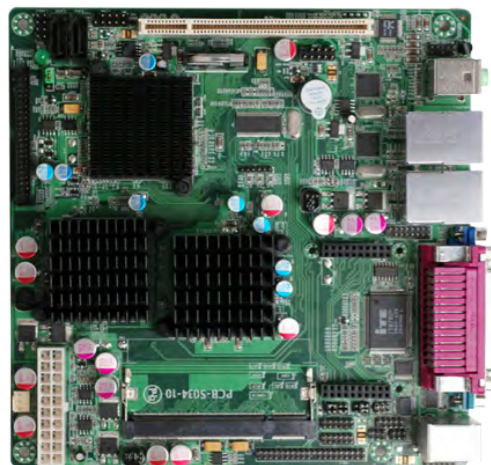


EC7-8819CV2NA(B)

Mini-ITX SBC with Intel® Atom™ N270 CPU and VGA/2LAN/Audio



Features

- Mini-ITX SBC Onboard Intel® Atom™ N270 1.6GHz processor
- Supports 1 x 200-pin DDR2 SO-DIMM slot, up to 2GB
- Supports 1 x VGA, 1 x DVI, 1 x S-Video
- Supports 2 x 10/100Mbps Ethernet interface
- Supports 8 x USB2.0, 6 x COM, 2 x SATA, 1 x IDE, 1 x LPT, 1 x 4-bit GPIO



Specifications

System

Processor	Intel® Atom™ N270 1.6GHz,FSB 533MHz processor
Chipset	Intel® 945GSE+ICH7
Memory	Supports 1 x 200-pin DDR2 SO-DIMM, up to 2GB
Hardware Monitor	Monitors system status, voltage, temperature and fan speed
Watchdog Timer	N/A
Expansion Interface	1 x PCI

Storage

IDE	1 x 44-pin Ultra ATA/100 interface
Serial ATA	2 x Serial ATA 300MB/s interface
Floppy	N/A
CF	N/A

I/O Interface

USB	8 x USB2.0
Serial Port	6 x RS232 (COM2-COM6 voltage adjustable)
Parallel Port	1 x LPT
IrDA	N/A
GPIO	2 x GPI, 2 x GPO
Audio	AC'97, Realtek ALC622

Display

Display Controller	Intel®945GSE chipset integrated graphics controller
Memory	Up to 224MB shared memory
Resolution	VGA mode: up to 2048 x 1536@75Hz
Dual Display	1 x VGA, 1 x DVI, 1 x S-Video

Ethernet

Chipset	2 x RTL8103E
Speed	2 x 10/100Mbps(2 x 10/100/1000Mbps optional)
Connector	2 x RJ45

Mechanical and Environmental

Dimensions	170mm(L) x 170mm(W)
Operating Temperature	-5°C~55°C
Storage Temperature	-15°C~65°C
Operating Humidity	10%-70%, non-condensing

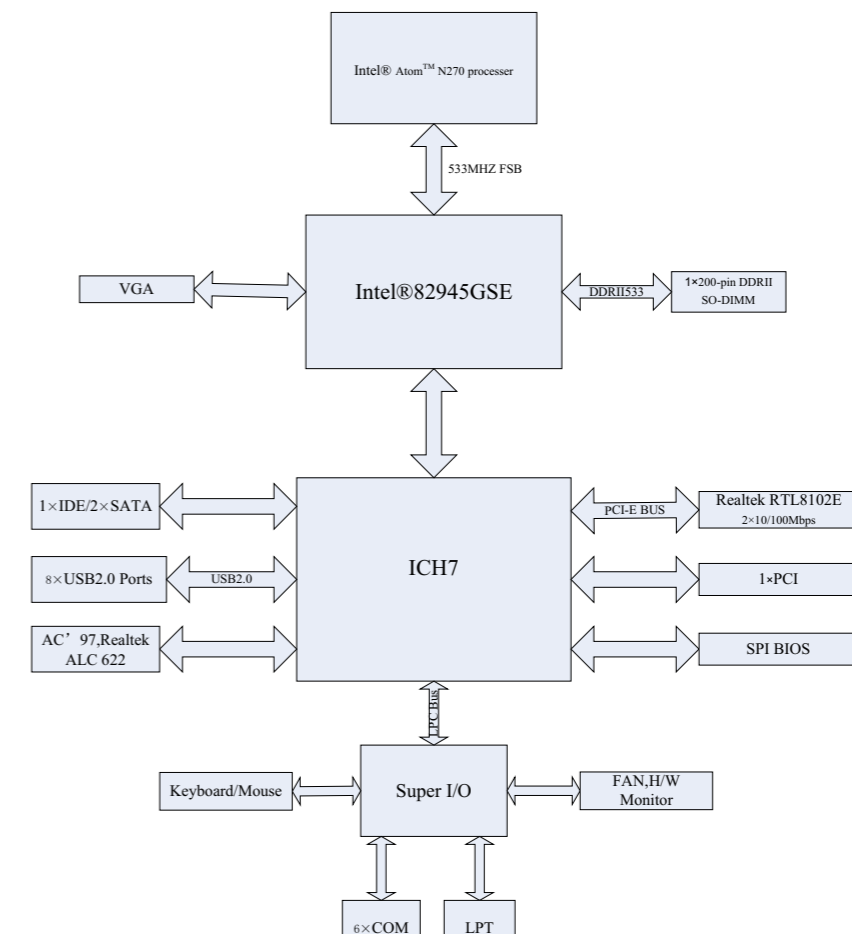
Power

Power Supply	ATX power supply
Power Consumption	N/A

Operating System

Windows OS	Windows 2000/ Windows XP
Embedded OS	Linux/XP Embedded

Board Diagram



Optional Accessories

Part Number	Name	Description	Qty.
	Driver CD	EC7-8819CV2NA(B)	1
	IDE Cable/RoHS	44-pin IDE cable	1
	SATA HDD cable/RoHS	SATA 7-Pin to SATA 7 Pin	1
	Serial port cable/RoHS	DB9 connector to 2 x 5 Pin connector	1
	Serial port cable/RoHS	Four DB9 connectors to 2 x 20-pin connector	1

Ordering Information

Part Number	Model Number	Description
0030-015060	EC7-8819CV2NA(B)	Mini-ITX SBC with Atom™ N270/VGA/2LAN/Audio/6COM/8USB/LPT
0030-016890	EC7-8819CV2NA(B)-D	Mini-ITX SBC with Atom™ N270/VGA/DVI/2LAN/Audio/6COM/8USB
0030-015070	EC7-8819CV2NA(B)-V	Mini-ITX SBC with Atom™ N270/2VGA/2LAN/Audio/6COM/8USB
0030-015080	EC7-8819CV2NA(B)-H	Mini-ITX SBC with Atom™ N270/VGA/HDMI/2LAN/Audio/6COM/8USB
0030-015090	EC7-8819CV2NA(B)-L	Mini-ITX SBC with Atom™ N270/VGA/LVDS/2LAN/Audio/6COM/8USB/LPT