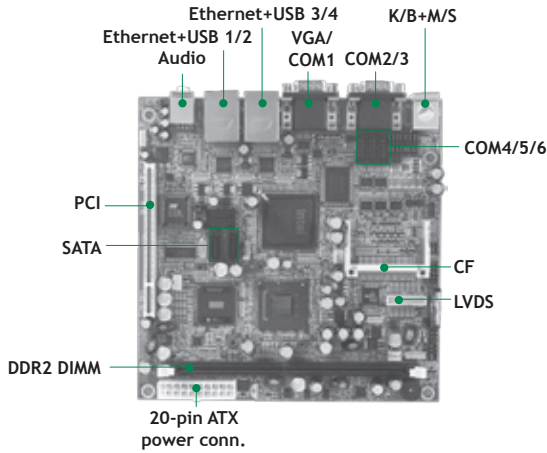


# SBC86836

Intel® Atom™ N270 Mini ITX SBC with Intel® 945GSE+ICH7M Chipset, VGA/LVDS, DualView, 6 COM and Dual LANs

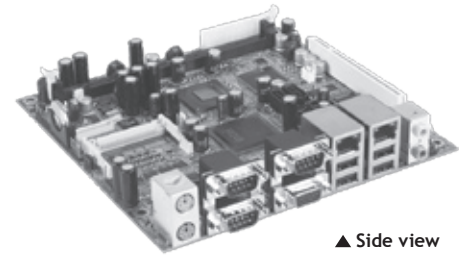


Atom™ N270
Intel® 945GSE
LVDS/VGA
8 USB 2.0
AC'97 Audio
1 PCI
USB DoM

## Features



- Intel® Atom™ processor N270 1.6 GHz onboard with FSB 533 MHz
- Intel® Gen 3.5 high performance integrated graphics controller for VGA and LVDS
- 8 USB 2.0 ports



## System

CPU	Intel® Atom™ processor N270 1.6 GHz onboard with FSB 533 MHz
System Memory	1x 240-pin DDR2-400/533 DIMM max. up to 2GB
Chipset	Intel® 945GSE+ICH7M
BIOS	AMI 8Mbit with RPL/PXE LAN boot ROM.
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x PCI slot
Battery	Lithium 3V/196mAH
Size	170mm x 170mm
Temperature	0° C - +60° C (32° F - 140° F), operation
Operation Humidity	10% - 95% relative humidity, non-condensing

## I/O

MIO	1 x PS/2 keyboard 1 x PS/2 mouse 1 x RS-232/422/485 (COM 1); with +5V/12V powered 5 x RS-232 (COM 2-6); with +5V/12V powered
SATA	2 x SATA-150
Hardware Monitoring	Support CPU/system temperature, CPU/system voltage, and CPU/system Fan features
Ethernet	1st and 2nd port as 10/100/1000Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111B
Audio	AC'97 Codec audio as MIC-in/Line-out/Speaker-out with Realtek ALC203
USB	8 x USB 2.0; 4 ports on the rear I/O; 4 ports via connector
SMBus	System Management Bus for advanced monitoring/control interface
Digital I/O	4 channel IN and 4 channel OUT

## Display

Chipset	Intel® 945GSE Gen 3.5 integrated graphics engine
Memory Size	Max. up to 224 MB DVMT sharing system memory
Resolution	* VGA: 2048 x 1536 * LVDS LCD: 18/24-bit single/dual channel up to 1600 x 1200
Output Interface	* VGA with D-sub 15-pin connector * LVDS LCD: 18/24-bit single/dual channel mode

## Packing List

Standard			
Quick installation guide, user's manual/utility CD, cable			
Cable			
Part Number	Description	SBC86836VGA-N270-24bit Qty	SBC86836VGA-N270-18bit Qty
593826A0000E	SATA single cables 500mm	1	1

## Ordering Information

Standard	
SBC86836VGA-1.6G w/ 18-bit LVDS	Mini ITX SBC with Intel® Atom™ processor N270, VGA, 18-bit LVDS LCD, 2 10/100/100Mbps, audio and PCI expansion
SBC86836VGA-1.6G w/ 24-bit LVDS	Mini ITX SBC with Intel® Atom™ processor N270, VGA, 24-bit LVDS LCD, 2 10/100/100Mbps, audio and PCI expansion

SBC Services and Solutions

System-on-a-Module Solutions

Embedded SBCs > 5.25" Petit

Embedded SBCs > EPIC

Embedded SBCs > 3.5" Capa

Embedded SBCs > Pico-ITX

Embedded SBCs > PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix