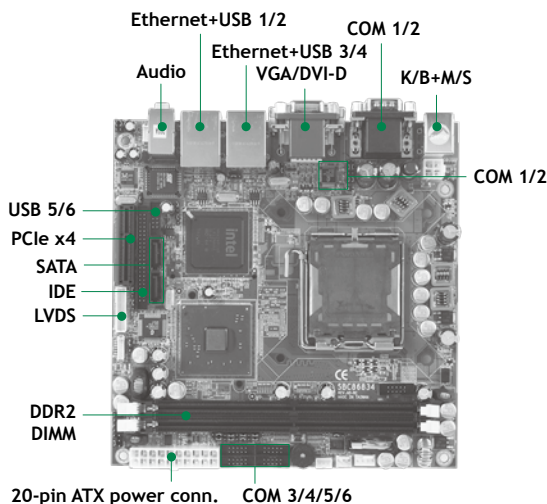


# SBC86834

LGA775 Socket Intel® Core™ 2 Duo Mini ITX SBC with Intel® 945GC + ICH7 Chipset, DVI-D/LVDS, 6 USB and 6 COM

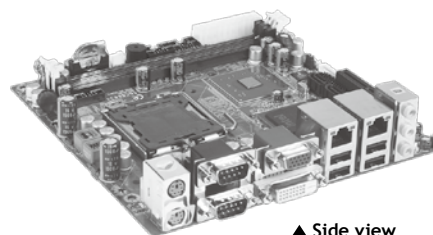


LGA775
Intel® 945GC
6 COM
LVDS/VGA
6 USB 2.0
AC'97 Audio
USB DoM

## Features



- LGA775 socket for Intel® Core™2 Duo/ Pentium® D/ Pentium® 4/ Celeron® D processor with FSB 800/533 MHz
- Intel® 945GC + ICH7 chipset
- 6 COM ports for transaction terminal applications
- Dual 10/100/1000Mbps Ethernet
- 6 USB 2.0 ports
- DVI-D output (optional)



▲ Side view

## System

CPU	LGA775 socket for Intel® Core™2 Duo/ Pentium® 4/ Pentium® / Celeron® processors with FSB 533/800 MHz
System Memory	2 x 240-pin DIMM supports DDR2-400/533/667 max. up to 2 GB
Chipset	Intel® 945GC + ICH7
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II (optional)
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x PCIe x4 for 1 x PCIe x4 or 4 x PCIe x1 devices
Battery	Lithium 3V/220 mAh
Power Requirements	Intel® Core™2 Duo E4500 2.2 GHz, 2GB DDR2 Max. RMS: +5V_SBY @ 0.023A, +3.3V @ 0.588A, +5V @ 2.399A, +12V @ 2.07A, -12V @ 0.074A
Size	170 x 170 mm
Board Thickness	1.6 mm
Temperature	0° C - +60° C (32° F - 140° F), operation
Relative Humidity	10% - 95% relative humidity, non-condensing

## I/O

MIO	1 x PS/2 keyboard 1 x PS/2 mouse 6 x RS-232; with +5V/+12V powered
SATA	2 x SATA-300
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	2 ports 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	6 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control interface
Digital I/O	8 channels (3-IN & 5-OUT)

## Display

Chipset	Intel® GMA 950 graphics Core
Memory Size	Intel® DVMT 3.0 compliant
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel 1 x DVI-D (SBC86834DGGA only)

## Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	Qty
593826A0000E	SATA signal cables 500mm	1

## Ordering Information

Standard	
SBC86834DGGA (P/N: E386834101)	LGA775 Mini ITX SBC with VGA/DVI-D/LVDS LCD, 2 10/100/1000Mbps Ethernet, 6 USB, 6 COM ports
SBC86834VGGA (P/N: E386834100)	LGA775 Mini ITX SBC with VGA/LVDS LCD, 2 10/100/1000Mbps Ethernet, 6 USB, 6 COM ports