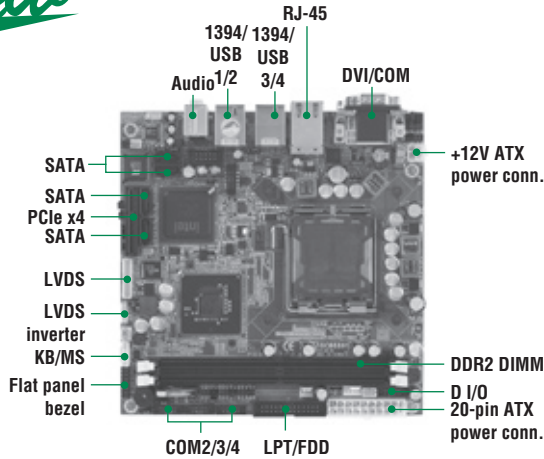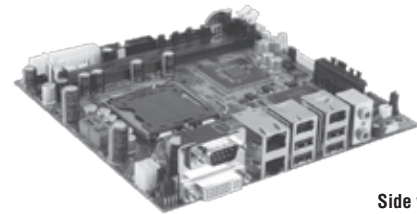# SBC86860

LGA775 Intel® Core™2 Duo/Core™2 Quad Mini ITX SBC with DVI/LCD,
PCI Express x4 and Firewire

Features

RoHS

- ▶ LGA775 Intel® Core™2 Duo/Core™2 Quad processor with FSB 800/1066/1333 MHz
- ▶ Intel® Q35+ICH9 chipset
- ▶ 4 COM ports for transaction terminal applications
- ▶ 8 USB 2.0 ports and 2 IEEE 1394a
- ▶ TPM 1.2 for trusted platform
- ▶ With high performance integrated graphic controller

Side view

System

CPU	LGA775 for Intel® Core™2 Duo/Core™2 Quad processor with FSB 800/1066/1333 MHz
System Memory	2 x 240-pin DDR2 DIMM max. up to 4GB
Chipset	Intel® Q35+ICH9
BIOS	Phoenix-Award 8Mbit with RPL/PXE LAN Boot ROM, SmartView and Customer CMOS Backup
SSD	CompactFlash™ Type-II Socket (optional)
Watchdog Timer	Reset supported; 255 levels
Expansion Interface	PCIe x4 slot for PCIe x4 expansion or 3 PCIe x1 expansion through riser card
Battery	Lithium 3V/196mAH
Size/Weight	170 x 170mm
Temperature	0~60 C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	4 x SATA-300, 1 x 26-pin box-header for shared FDD/LPT, 1 x PS/2 K/B, 1 x PS/2 MS, 4 x COM (3 x RS-232, 1 x RS-232/422/485) with +5V/+12V powered
Digital I/O	3 channel IN and 5 channel OUT
Ethernet	Dual Gigabit Ethernet via RTL8111B
Audio	HD Audio with Line out and Mic
USB	8 USB 2.0 ports (4 ports via box-headers);
Firewire	2 IEEE 1394a ports
TPM 1.2	Infineon SLB9365 for trusted platform(Optional)
SMBus	System Management Bus for advanced monitoring/control interface

Display

Chipset	Intel® Q35 integrated graphic engine
Memory Size	Max. up to 384MB (DVMT 4.0) mode frame buffer sharing system memory
Resolution	* CRT: 2048 x 1536 * DVI: 4:3 up to UXGA 1600 x 1200 @ 75Hz and widescreen up to WUXGA 1920 x 1200 @ 65Hz * LVDS LCD: 4:3 up to UXGA 1600 x 1200 @ 75Hz and widescreen up to WUXGA 1920 x 1200 @ 65Hz
Output Interface	* DVI connector for DVI-I output * LVDS LCD with 18/36 or 24/48 bit channel mode

Packing List

Quick installation guide, manual, driver, utility CD

Ordering Information

Standard	
SBC86860DGGAF	LGA775 Mini ITX SBC with DVI/LVDS LCD, dual Gigabit Ethernet, HD audio, 4 COM ports and Firewire

* All specifications and photos are subject to change without notice.