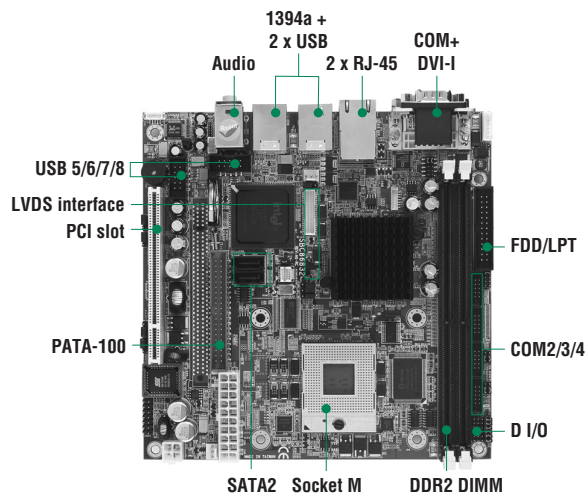


SBC86832

Socket M Intel® Core™ 2 Duo Mini ITX SBC with DVI-I/LCD, 4 COM and Firewire

2

Embedded Computing Platforms



System

CPU	Socket M (478-pin) for Intel® Core™2 Duo/Core™ Duo/ Core™ Solo processor with FSB 533/667 MHz; ULV Intel® Celeron® M (423) 1.06GHz/1MB for onboard option
System Memory	Intel® 945GME supports DDR2-400/533/667 up to 4GB (The actual max. capacity will be less depending on system configuration)
Chipset	Intel® 945GME+ICH7M/-DH
BIOS	Phoenix-Award 4Mbit 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	* 32-bit/33MHz PCI for 2 masters via riser card * PCIe mini card (optional)
Battery	Lithium 3V/196mAH
Size	170 x 170 mm
Temperature	0-60°C, operation
Operation Humidity	10% - 95% relative humidity, non-condensing

I/O

MIO	1 x PATA-100 IDE, 2 x SATA-150, 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
Ethernet	Dual RTL 8111B for PCIe Gigabit Ethernet
Audio	AC'97 codec audio
USB	8 USB 2.0 ports (2 via box-headers) with USB DiskOnModule supported
Firewire	2 IEEE 1394a ports
TPM 1.2	Infineon SLB9635 for trusted platform (optional)
SMBus	System Management Bus for advanced monitoring/control interface
Digital I/O	3 channel IN and 5 channel OUT

Display

Chipset	Intel® 945GME GMCH Gen 3.5 integrated graphic engine
Memory Size	Max. up to 224MB frame buffer sharing system memory
Resolution	Standard mode: CRT: 2048 x 1536; LVDS LCD: 1600 x 1200 Wide mode: CRT: 2048 x 1536; LVDS LCD: 1920 x 1200
Output Interface	* LVDS LCD with 18/36/24/48-bit channel mode * DVI-I for both DVI and CRT display

Features



ECP Services and Solutions

System-on-a-Module Solutions

Mini ITX SBC

3.5" Capa Boards

EPIC Boards

5.25" Petit Boards

Half-size CPU Cards, Backplanes

PCI/104 Modules

Mini PCI Modules

Accessories

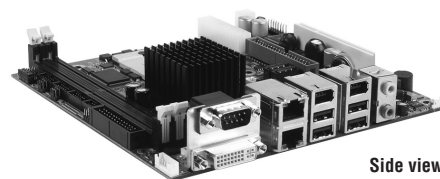
Remote Field Controllers

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix

- ▶ Socket M for Intel® Core™2 Duo/Core™ Duo/ Core™ Solo processor with FSB 533/667MHz
- ▶ Intel® 945GME+ICH7M/-DH chipset
- ▶ DVI-I interface for both CRT and DVI external display devices
- ▶ 4 COM ports for transaction terminal applications
- ▶ 8 USB 2.0 ports and 2 IEEE 1394a ports



Side view

Packing List

Quick installation guide
Manual, driver, utility CD and cable kit (refer to cable list in chapter 9)

Ordering Information

Standard	
SBC86832DGGAF	Socket M Mini ITX SBC with LVDS LCD/DVI-I, dual Gigabit Ethernet, AC'97 audio, 4 COM ports and firewire