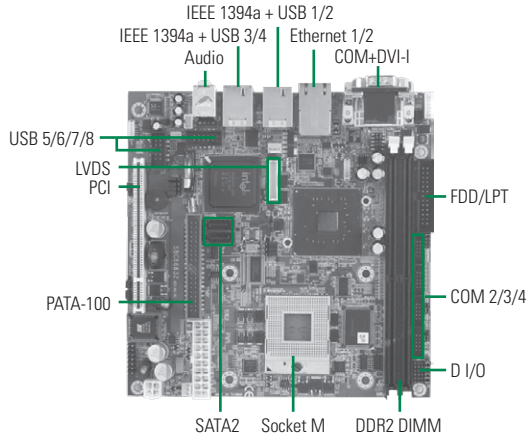
SBC86832

Socket M Intel® Core™2 Duo Mini ITX SBC with Intel® 945GME + ICH7M/-DH Chipset, DVI-I/LVDS, 4 COM and Firewire



Low Power DualView PCIe Mini

System

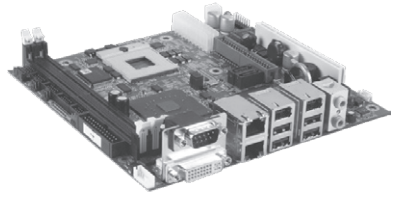
CPU	Socket M for Intel® Core™2 Duo/ Core™ Duo/ Core™ Solo/ Celeron® M processors with FSB 533/667 MHz; Intel® Celeron® M processor ULV 423 onboard
System Memory	2 x 240-pin DIMM supports DDR2-533/667 max. up to 4 GB
Chipset	Intel® 945GME + ICH7M/ICH7M-DH
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II (optional)
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI for 32-bit PCI supports 2 bus masters 1 x PCI Express Mini Card (optional)
Battery	Lithium 3V/220 mAH
Power Requirements	Intel® Core™2 Duo T7600 2.33 GHz, 2GB DDR2 Max. RMS: +5V_SBY @ 0.025A, +3.3V @ 0.106A, +5V @ 1.923A, +12V @ 1.584A, -12V @ NA
Size	170 x 170 mm
Board Thickness	1.6 mm
Temperature	0° ~ +60°C (32°F ~ 140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x IDE; PATA-100 1 x FDD/LPT(default); with SPP/EPP/ECP supported 1 x PS/2 keyboard; 1 x PS/2 mouse 3 x RS-232 (COM 2/3/4); with +5V/+12V powered 1 x RS-232/422/485 (COM 1); with +5V/+12V powered
SATA	2 x SATA-150; with RAID 0/1 (optional with ICH7M-DH)
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 with Realtek ALC655
USB	8 x USB 2.0
Firewire	2 x IEEE 1394a
TPM	Infineon SLB9635 for trusted platform (optional)
SMBus	System Management Bus for advanced monitoring/control interface
Digital I/O	8 channels (3-IN & 5-OUT)

Features

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



▲ Side view

Display

Chipset	Intel® GMA 950 graphics core
Memory Size	Intel® DVMT 3.0 compliant
Display Interface	1 x LVDS; 18/24-bit single/dual channel 1 x DVI-I

Packing List

Standard

Quick installation guide, user's manual/utility CD, cable,CPU cooler

Cable

Part Number	Description	Qty
593826A0000E	SATA signal cable 500mm	1
59382601000E	Ultra DMA66 IDE cable 40-pin 455mm	1
59384500200E	COM x 2 w/ bracket, P=2.0, L=250mm	1
59386831000E	USB cable x 2 w/ bracket, P=2.54mm L=180mm	1
59386832000E	Wafer 2.00mm 6P to PS/2 cable, L=200mm	1
594826A0000E	DVI to VGA adaptor	1

Ordering Information

Standard	
SBC86832DGGAF (P/N: E386832100)	Socket M Mini ITX SBC with LVDS/DVI-I, 10/100/1000Mbps Ethernet, AC 97 audio, 4 COM ports and firewire

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