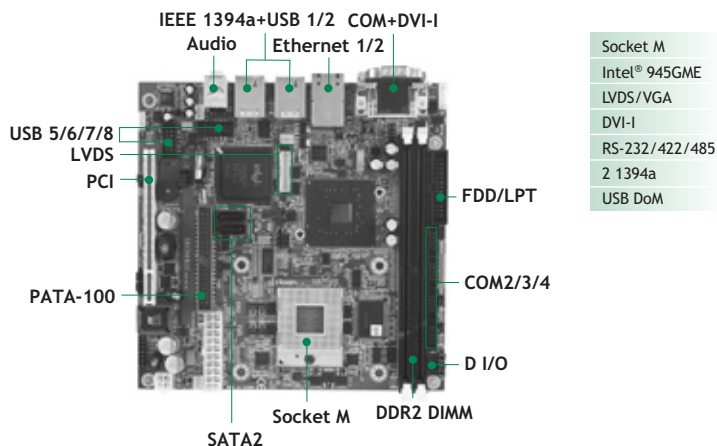


SBC86832

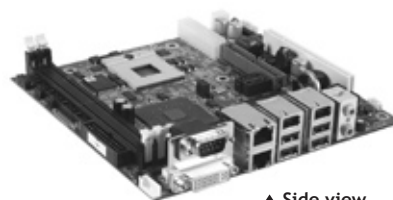
Socket M Intel® Core™2 Duo Mini ITX SBC with Intel® 945GME+ ICH7M/-DH Chipset, DVI-I/LVDS, 4 COM and Firewire



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

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 DDR2-533/667 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	1 x CompactFlash™ type-II (optional)
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x 32-bit/33MHz PCI for 2 masters via riser card 1 x MiniPCI Express (optional)
Battery	Lithium 3V/196mAH
Size	170 x 170 mm
Temperature	0° C ~ +60° C (32° F ~ 140° F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

Display

Chipset	Intel® 945GME GMCH Gen 3.5 integrated graphics engine
Memory Size	Max. up to 224MB DVMT mode frame buffer sharing system memory
Resolution	* VGA up to 2048 x 1536 @ 75 Hz with 32-bit color * LVDS up to 1600 x 1200 * SDVO single-channel mode each ports up to 1600 x 1200 @ 60 Hz or dual-channel mode up to 2048 x 1536 @ 75Hz or CRT/HDTV up to 1920 x 1080 @ 85 Hz
Output Interface	* LVDS LCD with 18/36/24/48-bit channel mode * DVI-I for both DVI and CRT display

I/O

MIO	1 x IDE; PATA-100 1 x FDD/LPT 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
Hardware Monitoring	Support CPU/system temperature, CPU/system voltage, and CPU/system Fan features
Ethernet	1 st and 2 nd ports as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111B
Audio	AC'97 Codec audio as MIC-in/Line-out/Speaker-out with Realtek ALC655
USB	8 x USB 2.0; 2 ports via box-header with USB DiskOnModule supported
Firewire	2 x IEEE 1394a port
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

Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	SBC86832DGGAF Qty
593826A0000E	SATA singal 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

Ordering Information

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