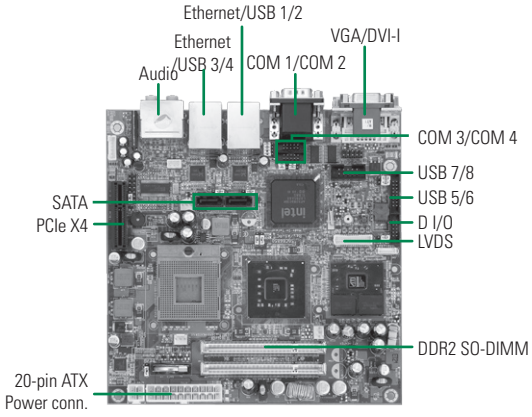
SBC86850

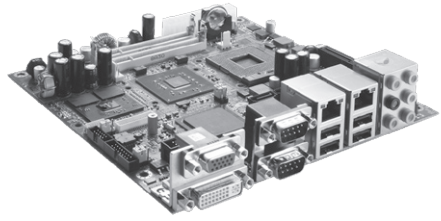
Socket P Intel® Core™2 Duo Mini ITX SBC with Intel® GM45 + ICH9M Chipset, ATI M72 Graphics Chip, DualView, DVI-I/ LVDS and 4 COM



DualView

Features

- Socket P for Intel® Core™2 Duo/ Celeron® M processor with FSB 667/800/1067 MHz
- High performance ATI M72 graphics chip onboard
- 4 COM ports for transaction terminal applications
- 8 USB 2.0 ports supported



▲ Side view

System

CPU	Socket P for Intel® Core™2 Duo/ Celeron® M processor with FSB 667/800/1066 MHz
System Memory	2 x 200-pin SO-DIMM support DDR2-667/800 max. up to 4 GB
Chipset	Intel® GM45 + ICH9M
Graphic Chip	ATI M72 graphics controller
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCIe x4 slot supports 1 x PCIe x4 or 4 x PCIe x1 devices
Battery	Lithium 3V/220 mAH
Power Requirements	Intel® Core™2 Duo T9400 2.53 GHz, 2G DDR2 Max. RMS: +5V_SBY @ 0.069A, +3.3V @ 0.827A, +5V @ 2.115A, +12V @ 1.796A, -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 PS/2 keyboard and mouse 4 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 ROMs with Realtk RTL8111B
Audio	7.1 channel HD Codec audio as MIC-in/Line-out/ Speaker-out with Realtek ALC888
USB	8 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control interface
Digital I/O	8 channels IN/OUT programmable

Display

Chipset	ATI Radeon HD 3200 Graphics (w/ ATI M72) Intel® GMA 4500HD graphics Core (w/o ATI M72)
Memory Size	128 MB (w/ ATI M72) Intel® DVMT 5.0 compliant (w/o ATI M72)
Display Interface	w/ ATI M72: 1 x VGA; 1 x LVDS; 18/24-bit single/dual channel; 1 x DVI-I w/o ATI M72: 1 x VGA; 1 x LVDS; 18/24-bit single/dual channel

Packing List

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

Cable

Part Number	Description	Qty
593826A0000E	SATA signal cables 500mm	1
59384500200E	COM x 2 w/ bracket, P=2.0, L=300mm	1

Ordering Information

Standard	
SBC86850DGGA w/ ATI M72	Socket P Mini ITX SBC with DVI-I/LVDS LCD, 2 10/100/1000Mbps Ethernet, HD audio, 4 COM ports and ATI M72 graphics controller
SBC86850VGGA w/o ATI M72	Socket P Mini ITX SBC with VGA/LVDS LCD, 2 10/100/1000Mbps Ethernet, HD audio, 4 COM ports

Optional	
E9C2D00016	ATP Z-U130 USB DoM 1GB 10P (RC)
E9C2D00026	ATP Z-U130 USB DOM 2GB 10P (RC)

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