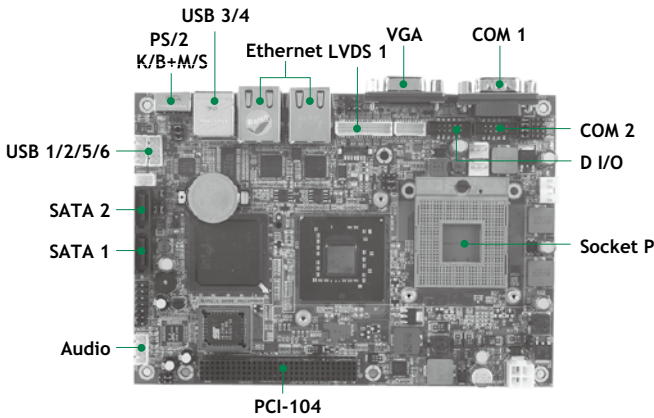


EP850

Socket P Intel® Core™2 Duo EPIC SBC with Intel® GM45 + ICH9M Chipset, LVDS and PCI-104 Expansion



Intel® GM45
2 G.E.
LVDS/VGA
1 DDR3
HD Audio
PCI-104

Features

- Socket P Intel® Core™2 Duo processor with FSB 667/800/1066 MHz
- Intel® GM/GL45 + ICH9M chipset
- High performance integrated graphics controller
- 6 USB 2.0 ports
- PCI-104 for 32-bit PCI expansion



DualView

SBC Services and Solutions

System on Modules

Embedded SBCs > EPIC

Embedded SBCs > 3.5" Capa

Embedded SBCs > Nano-ITX

Embedded SBCs > Pico-ITX

Embedded SBCs > PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

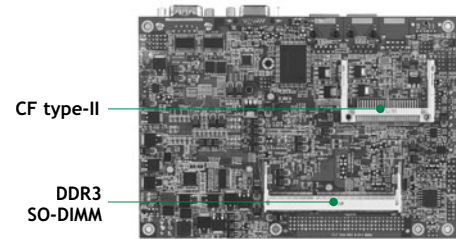
Appendix

System

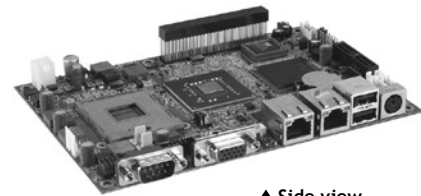
CPU	Socket P for Intel® Core™2 Duo processor with FSB 667/800/1066 MHz
System Memory	1 x 204-pin SO-DIMM supports DDR3-800/1066 max. up to 4 GB
Chipset	Intel® GM45 + ICH9M
BIOS	AMI
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x PCI-104 for 32-bit PCI supports 3 bus masters
Battery	Lithium 3V/220mAh
Power Input	2 x 2-pin connector +12V DC-in only AT Auto Power ON function supported
Power Requirements	Intel® Core™2 Duo T9400 @2.53 GHz, 1GB DDR3 Max. RMS: +12V @ 2.518A
Size	165 x 115 mm
Board Thickness	1.6 mm
Temperature	0°C ~ +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 2 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 Realtek RTL8111B
Audio	HD Codec audio as MIC-in/Line-in/Line-out/speaker-out with Realtek ALC662
USB	6 x USB 2.0; with USB DiskOnModule supported
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	3 Channels IN and 5 Channels OUT



▲ Rear view



▲ Side view

Display

Chipset	Intel® GMA 4500HD graphics Core
Memory Size	Intel® DVM T 5.0 compliant
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel

Packing List

Standard		
Quick installation guide, user's manual/utility CD, accessory		
Accessories		
Part Number	Description	Qty
59384500100E	Audio cable w/ bracket P=2.0 L=450mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket L=180mm	1
5078B850200E	CPU heatsink w/ fan	1

Ordering Information

Standard	
EP850VGGA (P/N: E38B850100)	Socket P EPIC SBC with Intel® Core™2 Duo CPU, VGA/LVDS LCD, 2 10/100/1000Mbps Ethernet, HD audio and 2 COM