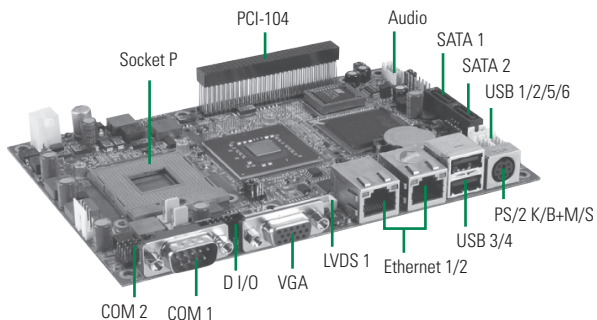


EP850

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



System

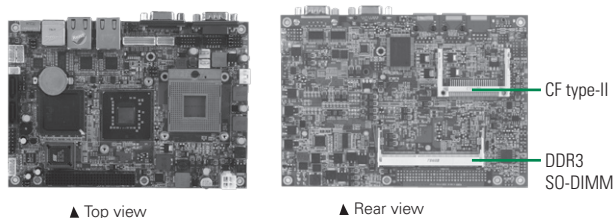
| | |
|-----------------------|---|
| CPU | Socket P for Intel® Core™2 Duo processor with FSB 667/800/1066 MHz |
| System Memory | 1 x 204-pin SO-DIMM supports DDR3-800/1066 max. up to 4 GB |
| Chipset | Intel® GM45 + ICH9M |
| BIOS | AMI |
| SSD | 1 x CompactFlash™ type-II |
| Watchdog Timer | 255 levels, 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 |
| Operating 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 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 |

Features

- Socket P for Intel® Core™2 Duo processor with FSB 667/800/1066 MHz
- Intel® GM45/GL45 + ICH9M chipset
- High performance integrated graphics controller
- 6 USB 2.0 ports
- PCI-104 for 32-bit PCI expansion



Display

| | |
|-------------------|--|
| Chipset | Intel® GMA 4500HD graphics core |
| Memory Size | Intel® DVM 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 | Socket P EPIC SBC with Intel® Core™2 Duo CPU, VGA/LVDS |
| (P/N: E38B850100) | LCD, 2 10/100/1000Mbps Ethernet, HD audio and 2 COM |