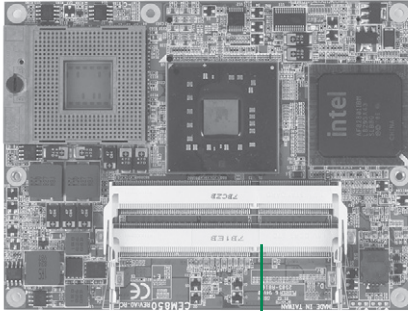


CEM850

Socket P Intel® Core™2 Duo COM Express™ Type 2 Module with Intel® GM45 + ICH9M Chipset



Double deck DDR3 SO-DIMM



DDR3



DualView



Full Solid Cap Design

System

| | |
|---------------------|--|
| CPU | Socket P for Intel® Core™2 Duo processor with FSB 667/800/1066 MHz |
| System Memory | 2 x 204-pin SO-DIMM support DDR3-800/1066 max. up to 8 GB |
| Chipset | Intel® GM45 + ICH9M |
| BIOS | AMI |
| SSD | N/A |
| Watchdog Timer | 255 levels, 1~255 sec. |
| Expansion Interface | 1 x PCIe x16 graphics port supports for SDVO or PCIe x1 devices 5 x PCIe lanes support for 1 x PCIe x4 + 1 x PCIe x1 or 5 x PCIe x1 devices 4 x 32-bit PCI bus masters |
| Battery | N/A |
| Power Requirements | Intel® Core™2 Duo T9400 @2.53 GHz, 2GB DDR3 Max. RMS: +5VSB @ 124mA, +12V @ 2.369A |
| Size | 125 x 95 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

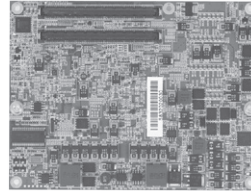
| | |
|---------------------|---|
| MIO | 1 x IDE; PATA-100 1 x LPC interface |
| SATA | 3 x SATA-300 |
| Hardware Monitoring | N/A |
| Ethernet | 1 port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82574L |
| Audio | HD-Link audio interface to baseboard for external Codec |
| USB | 8 x USB 2.0 |
| SMBus | Yes |
| I2C | Yes |
| GPIO | 4 Channels IN & 4 Channels OUT |
| ITP port | ITP7500 standard compliant |

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 |

Features

- Socket P for Intel® Core™2 Duo processor with FSB 667/800/1066 MHz
- Intel® GM45 + ICH9M chipset
- With high performance integrated graphics controller and discrete solution through PCIe x16 interface
- 21 lanes of PCI Express
- 8 USB 2.0 ports



▲ Rear view

Packing List

Quick installation guide, user's manual/utility CD

Ordering Information

Standard

| | |
|----------|--|
| CEM850VG | COM Express type 2 module with socket P, VGA/LVDS LCD, (P/N: E38D850100) |
|----------|--|

Optional

| | |
|--------------|--|
| CEB94000 | ATX form factor baseboard |
| 5078D850100E | CEM850 heatspreader module for PGA type CPU |
| 5078D830100E | COM Express SoM low profile cooling kit with fan |