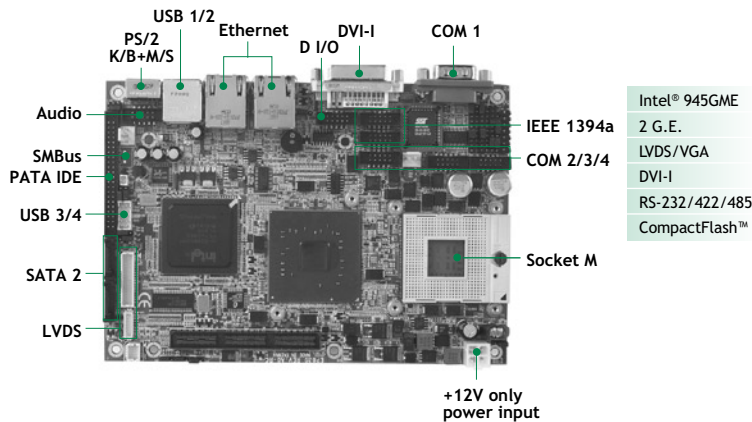


# EP830

Socket M Intel® Core™2 Duo EPIC SBC with Intel® 945GME + ICH7M Chipset, DVI-I/LVDS and Firewire



## Features



- Socket M for Intel® Core™2 Duo/ Core™ Duo/ Core™ Solo processor with FSB 533/667 MHz
- Intel® 945GME + ICH7M chipset
- DVI-I interface for both CRT and DVI external display devices
- 4 COM ports, 4 USB 2.0 and 2 IEEE 1394a ports

## System

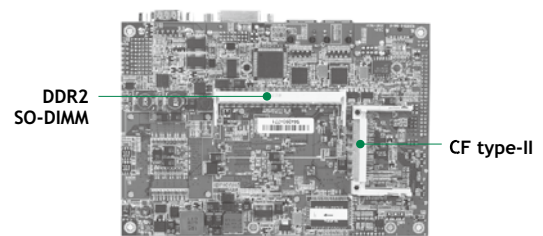
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| CPU                 | Socket M for Intel® Core™2 Duo/ Core™ Duo/ Core™ Solo/ Celeron® M processors with FSB 533/667 MHz; Intel® Celeron® M processor ULV 423 onboard |
| System Memory       | 1 x 200-pin SO-DIMM supports DDR2-533/667 max. up to 2 GB  |
| Chipset             | Intel® 945GME + ICH7M  |
| BIOS                | Phoenix-Award  |
| SSD                 | 1 x CompactFlash™ type-II  |
| Watchdog Timer      | 255 levels, 1-255 sec.   |
| Expansion Interface | N/A  |
| Battery             | Lithium 3V/220 mAh   |
| Power Input         | 2 x 2-pin connector<br>+12V DC-in only<br>AT Auto Power ON function supported  |
| Power Requirements  | Intel® Core™2 Duo T7600 @2.33 GHz, 1GB DDR2<br>Max. RMS: +12V @ 2.488A   |
| 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

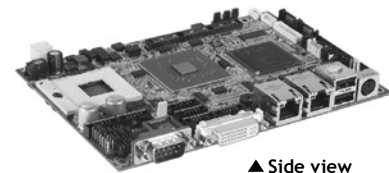
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| MIO                 | 1 x IDE; PATA-100<br>1 x PS/2 keyboard and mouse<br>3 x RS-232 (COM 2/3/4); with +5V/+12V powered<br>1 x RS-232/422/485 (COM 1); with +5V/+12V powered |
| SATA                | 2 x SATA-150   |
| Hardware Monitoring | Detect CPU/system temperature, voltage and fan speed   |
| Ethernet            | 2 ports as 10/100/1000Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111B   |
| Audio               | AC'97 Codec audio as MIC-in/Line-in/Line-out/speaker-out with Realtek ALC655   |
| USB                 | 4 x USB 2.0  |
| Firewire            | 2 x IEEE 1394a   |
| SMBus               | System Management Bus for advanced monitoring/control  |
| Digital I/O         | 8 channels IN/OUT programmable   |

## Display

|                   |  |
|-------------------|--|
| Chipset           | Intel® GMA 950 graphics Core                         |
| Memory Size       | Intel® DVM T 3.0 compliant                           |
| Display Interface | 1 x LVDS; 18/24-bit single/dual channel<br>1 x DVI-I |



▲ Rear view



▲ Side view

## Packing List

| Standard  |  |     |
|---|--|-----|
| Quick installation guide, user's manual/utility CD, accessory |  |     |
| Accessories   |  |     |
| Part Number   | Description                                | Qty |
| 59308300000E  | IEE1394 cable w/ bracket, P= 2.0mm L=330mm | 1   |
| 59384500100E  | Audio cable w/ bracket P=2.0 L=450mm       | 1   |
| 59484500010E  | 44-44-40 pin IDE cable L=200mm+200mm       | 1   |
| 59382631000E  | 2 x USB 2.0 wafer cable w/ bracket L=180mm | 1   |
| 59384500200E  | COM x 2 w/ bracket, P=2.0, L=250mm         | 1   |
| 593826A0000E  | SATA single cable 500mm                    | 1   |
| 50784830200E  | CPU heatsink w/ fan (41 x 41mm)            | 1   |

## Ordering Information

| Standard      |  |
|---------------|--|
| EP830DGGAF    | Socket M EPIC SBC with DVI-I/LVDS LCD, (P/N: E38B830100) 2 10/100/1000Mbps, AC'97 audio, 4 COM ports and firewire  |
| Optional      |  |
| EP830DGGAF-1G | EPIC SBC with ULV423 Intel® Celeron® M (P/N: E38B830101) 1GHz onboard, DVI-I/LVDS LCD, (fanless) 2 10/100/1000Mbps Ethernet, AC'97 audio, 4 COM ports and firewire |