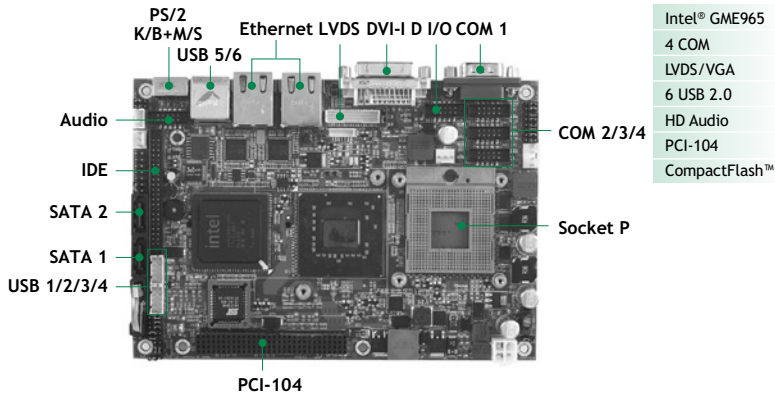


EP840

Socket P Intel® Core™2 Duo EPIC SBC with Intel® GME965 + ICH8M Chipset, DVI-I/LVDS, Dual LANs and PCI-104 Expansion



System

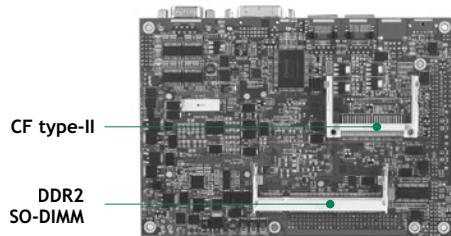
CPU	Socket P for Intel® Core™2 Duo/ Celeron® M processors with FSB 533/800 MHz
System Memory	1 x 200-pin SO-DIMM supports DDR2-533/667 max. up to 2 GB
Chipset	Intel® GME965 + ICH8M
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x PCI-104 for 32-bit PCI supports 3 bus masters
Battery	Lithium 3V/220 mAh
Power Input	2 x 2-pin connector +12V DC-in only AT Auto Power ON function supported
Power Requirements	Intel® Core™2 Duo T8300 @2.4 GHz, 1GB DDR2 Max. RMS: +12V @ 2.955A
Size	165 x 115 mm
Board Thickness	1.6 mm
Temperature	0° C ~ +60° C (32° F ~ 140° F), operation (1.4GHz onboard is up to 50° C)
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

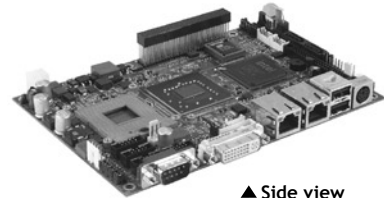
MIO	1 x IDE; PATA-100 1 x PS/2 keyboard and mouse 4 x RS-232; with +5V/+12V powered
SATA	2 x SATA-300
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	2 ports as 10/100/1000Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111B
Audio	HD Codec audio as MIC-in/Line-in/Line-out/speaker-out with Realtek ALC262
USB	6 x USB 2.0
Digital I/O	8 channels IN/OUT programmable

Features

- Socket P (478) and BGA type for Intel® Merom Core™2 Duo/ Celeron® M processors with FSB 667/800 MHz
- Intel® GME965 + ICH8M chipset
- Dual 10/100/1000 Mbps Ethernet
- DualView with different content & resolution
- 6 USB 2.0 ports
- 4 COM ports
- PCI-104 slot for expansion



▲ Rear view



▲ Side view

Display

Chipset	Intel® GMA X3100 graphics Core
Memory Size	Intel® DVM 4.0 compliant
Display Interface	1 x LVDS; 18/24-bit single/dual channel 1 x DVI-I

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
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
5078B850200E	CPU heatsink w/ fan	1

Ordering Information

Standard	
EP840DGGA (P/N: E38B840100)	Socket P EPIC SBC with DVI/LVDS/VGA, 2 10/100/1000Mbps Ethernet and HD audio