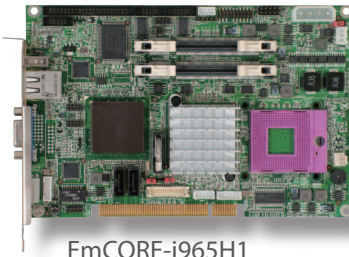


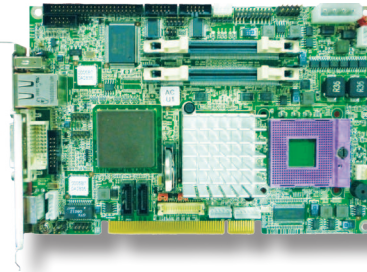
# EmCORE-i965H

## Intel® Core™ 2 Duo Processor PCI Half-size SBC



EmCORE-i965H1

EmCORE-i965H2



### Features

- Intel® Socket P Mobile Processor supported
- DVI (EmCORE-i965H2), 18/24-bit Dual Channels LVDS, and Analog RGB
- Dual Independent Displays
- Integrated Gigabit Ethernet
- **Extended Operating Temp.: -20 ~ 70°C**

System	
CPU	Intel® Core™ 2 Duo Processor, supporting FSB up to 800MHz Intel® Celeron® M Processor with 533/667MHz FSB
Memory	2 x 200-pin DDR2 vertical SO-DIMM sockets, supporting 533/667MHz SDRAM up to 4GB
Chipset	Intel® GME965 + ICH8M
BIOS	AMI PnP Flash BIOS
Watchdog Timer	1~255 levels reset
I/O	
I/O Chip	Winbond W83627HG
Serial Port	2 x COM ports (1 x RS-232, 1 x RS-232/422/485 selectable)
Parallel Port	SPP/EPP/ECP mode selectable
IrDA	1 x SIR IrDA 1.1 compliant
USB Port	5 x USB 2.0 ports
KB/MS	1 x 6-pin MINI-DIN for keyboard and mouse (PS/2 standard via Y-cable)
Digital I/O	8-bit programmable digital input/output
Expansion Bus	PCI Golden Finger
Storage	1 x Ultra ATA, supporting 2 IDE devices 2 x Serial ATA ports with 300MB/s HDD transfer rate 1 x CompactFlash Type II socket 1 x Floppy disk drive, shared with parallel port
Ethernet Chipset	2 x Intel® 82574L PCIe GbE controllers
Audio	Realtek ALC888 7.1 Channel HD Audio Codec, supporting Mic-in/Line-in/Line-out

Recommended CPU List:  
T7500 2.2GHz Core™ 2 Duo Processor  
550 2.0GHz Celeron® M Processor

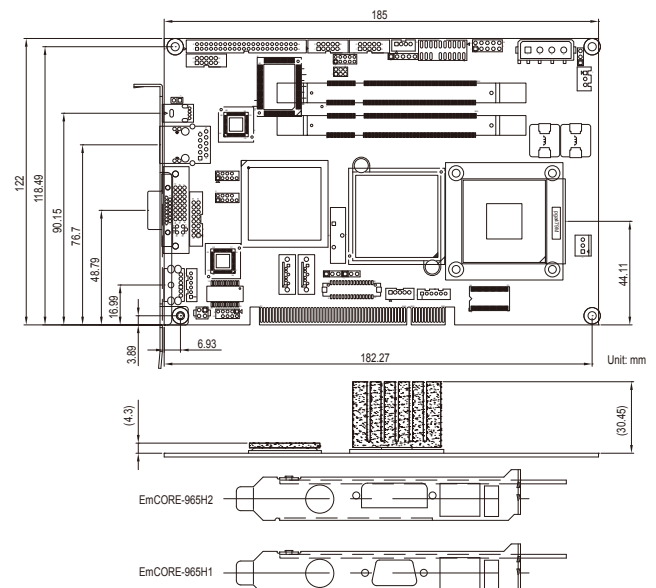
### Display

Graphic Chipset	Integrated Intel® Graphics Media Accelerator X3100
Graphic Interface	Analog RGB that supports resolution up to 2048 x 1536 @60Hz DVI on bracket (EmCORE-i965H2) LCD: Dual Channels 18/24-bit LVDS Dual independent displays

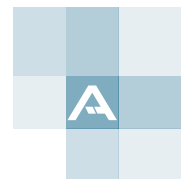
### Mechanical & Environmental

Power Connector	Big 4P AT power connector
Power Consumption	0.14A@+12V, 7.20A@+5.1V, 0A@+3.3V with Intel® Core™ 2 Duo T7300 2.0GHz (Typical)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimensions (L x W)	185 x 122 mm (7.3" x 4.8")

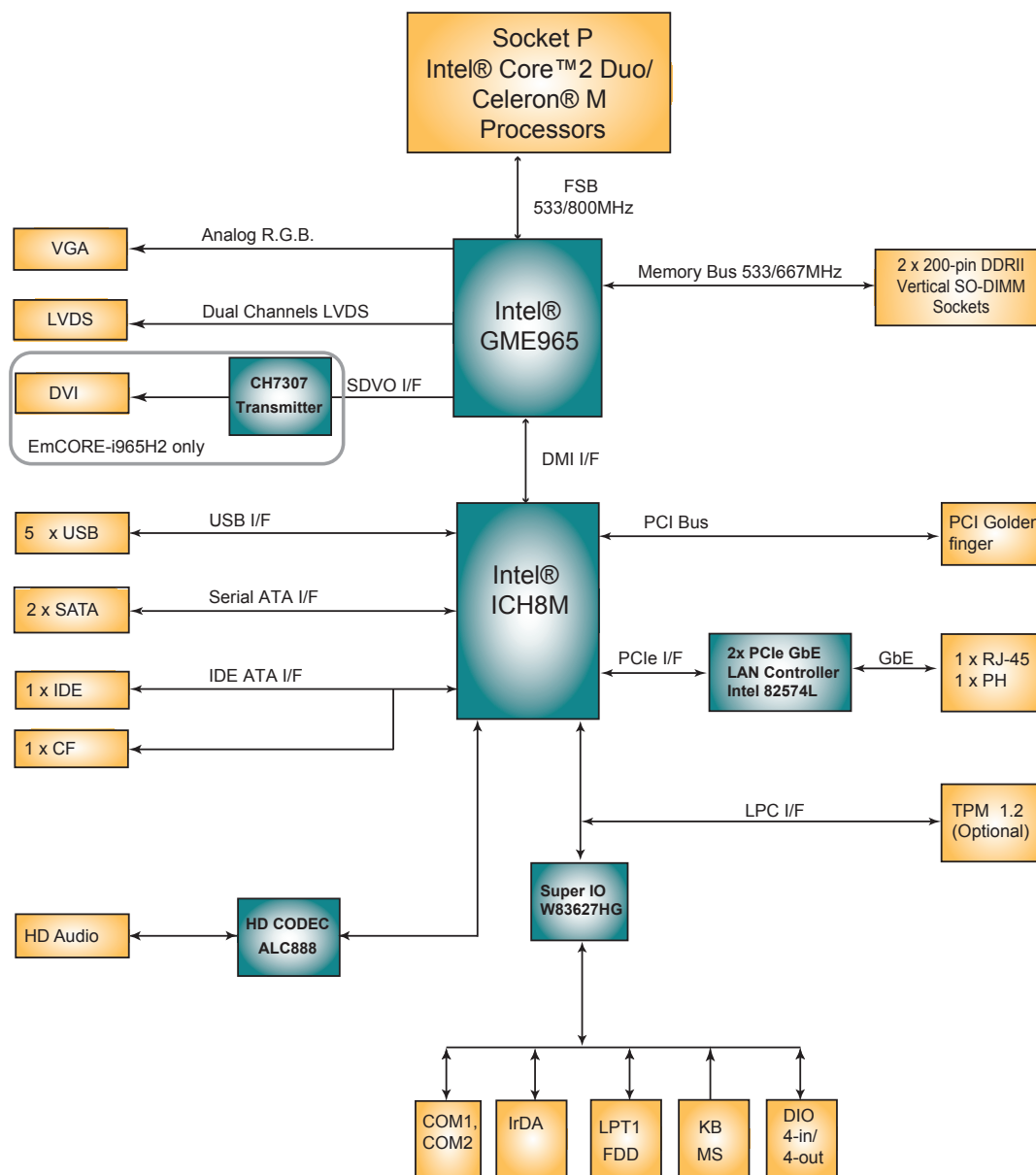
### Dimensions



All specifications are subject to change without notice.



## Block Diagram



## Ordering Information

EmCORE-i965H1	Socket P Intel® Core™ 2 Duo/Celeron® M PCI half-size SBC
EmCORE-i965H2	Socket P Intel® Core™ 2 Duo/Celeron® M PCI half-size SBC with DVI