



EmCORE-i965H

Intel® Core™ 2 Duo PCI Half-size SBC

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SBC Daughterboard / Power Connector / Mounting Kit

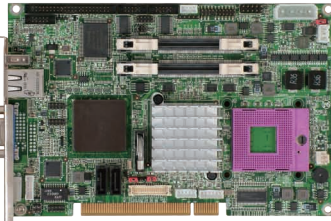
Rugged Tablet PC

Medical PC

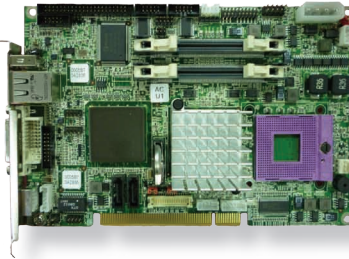
Industrial Panel PC/Monitor

Box PC

Industrial Chassis / Backplane / Power supply



EmCORE-i965H1



EmCORE-i965H2

Features

- Support Intel® Socket P Mobile Processors
- Support Memory Capacity up to 4GB
- 5 x USB 2.0 Ports
- DVI (EmCORE-i965H2), 18/24-bit Dual Channels LVDS, and Analog RGB
- Dual Independent Displays
- Dual Gigabit Ethernets with Intel® 82574L Controller
- CompactFlash Type II Socket
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU	Intel® Core™ 2 Duo CPU, up to 800MHz FSB Intel® Celeron® M CPU 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
Storage	1 x Ultra ATA, support 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 share with parallel port
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
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

Ethernet

Chipset	2 x Intel® 82574L PCIe Gigabit Ethernet controllers
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Audio

CODEC/Interface	Realtek ALC888 7.1 Channel HD Audio CODEC, support Mic-in/Line-in/Line-out
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Display

Graphics Chipset	Integrated Intel® Graphics Media Accelerator X3100
Graphics Interface	Analog RGB support up to 2048 x 1536 DVI on bracket (EmCORE-i965H2) LCD: Dual Channels 18/24-bit LVDS Dual mode independent displays

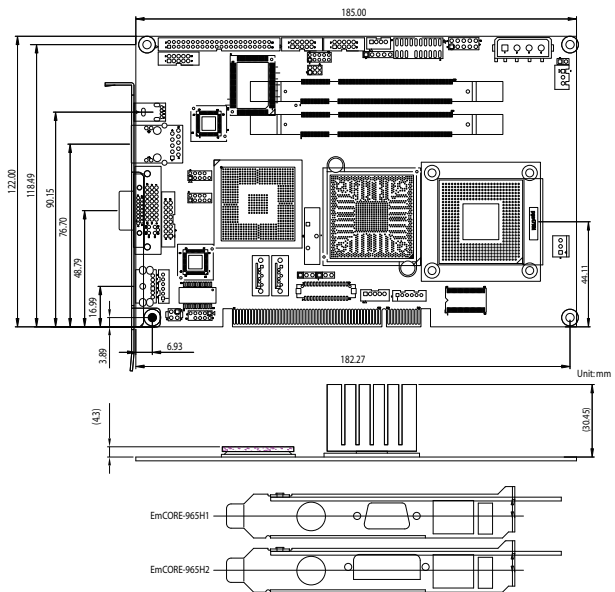
Recommended CPU list:

Core™ 2 Duo: T7500 2.20GHz with 800MHz FSB
Celeron® M: 550 2.00GHz with 533MHz FSB

Mechanical & Environmental

Power Consumption	0.14A/12V, 7.20A/5.1V, 0A/3.3V with Intel® Core™ 2 Duo T7300 2.0GHz
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimensions (L x W)	185 x 122 mm (7.3" x 4.8")

Dimensions



Ordering Information

EmCORE-i965H1	Socket P Intel® Core™ 2 Duo/Celeron® M PCI half-size SBC	Page 11-12
EmCORE-i965H2	Socket P Intel® Core™ 2 Duo/Celeron® M PCI half-size SBC with DVI	Page 11-8
PCI Backplane		Page 11-12
Half-size Wallmount Chassis for PCI Bus Series		Page 11-8

All specifications are subject to change without notice.