



EmCORE-i9457

Intel® Core™ 2 Duo 3.5" Miniboard

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SBC Daughterboard Power Connector Mounting Kit

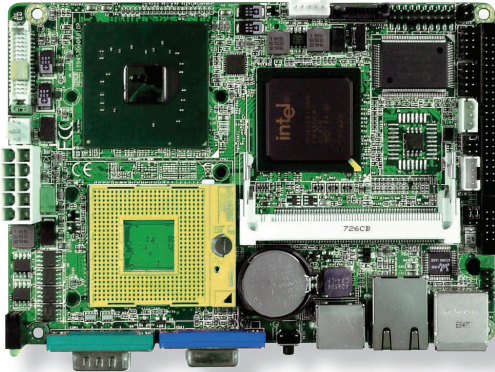
Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Box PC

Industrial Chassis /Backplane/ Power supply



Features

- Support Intel® Socket M Mobile Processors
- Dual Channels 24-bit LVDS, and Analog RGB
- Support Dual Independent Displays
- Multi-expansion (1 x SATA, 1 x PATA, 6 x USB, 2 x Serial Ports, 1 x Mini PCI Socket, 1 x CF Socket)
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU	Intel® Core™ 2 Duo/Core™ Duo CPU with 667MHz FSB Intel® Celeron® M CPU with 533MHz FSB
Memory	1 x 200-pin DDR2 SO-DIMM Socket supporting 400/533MHz SDRAM up to 2GB
Chipset	Intel® 945GME + ICH7M
BIOS	Phoenix-Award PnP Flash BIOS
Storage	1 x Ultra ATA, support 2 IDE devices 1 x Serial ATA ports with 150MB/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 port, 1 x RS-232/422/485 port selectable)
Parallel Port	SPP/EPP/ECP mode
USB Port	6 x USB 2.0 ports
KB/MS	1 x 6-pin Mini-DIN connector for Keyboard and Mouse (PS/2 standard via Y-cable)
Expansion Bus	1 x Mini PCI socket

Ethernet

Chipset	1 x Realtek RTL8111B PCIe Gigabit Ethernet controller
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Audio

CODEC/Interface	Realtek ALC655 6 Channel AC97 Audio CODEC, Mic-in/Line-in/Line-out
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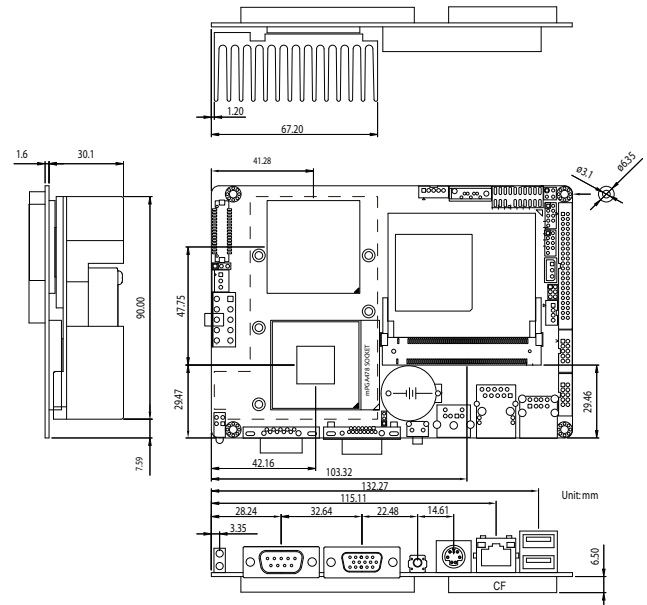
Display

Graphics Chipset	Integrated Intel® Graphics Media Accelerator GMA950
Graphics Interface	Analog RGB support up to 2048 x 1536 LCD: Dual Channels 24-bit LVDS

Mechanical & Environmental

Power Requirement	2 x 5-pin ATX power connector
Power Consumption	6.06A/5V, 0.43A/12V, 0.3A/3.3V with Intel® Core™ 2 Duo T7400 2.16GHz
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	0 ~ 95% (non-condensing)
Dimensions (L x W)	146 x 102 mm (5.7" x 4")

Dimensions



Ordering Information

EmCORE-i9457VLG Socket M Intel® Core™ 2 Duo/Core™ Duo/Celeron® M 3.5" Miniboard

CBK-08-9457-00 Cable kit

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|----------------------|-------------------|
| 1 x Audio cable | 1 x LPT cable |
| 1 x COM port cable | 1 x KB & MS cable |
| 1 x LPT to FDD cable | 1 x SATA cable |
| 1 x IDE cable | 2 x USB cables |