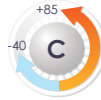
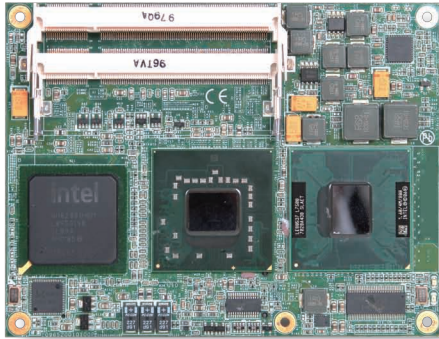




COM-842E

Wide Range Operating Temperature Intel® Core™ 2 Duo L7500 COM Express CPU Module



COM Express

Features

- **COM Express Type II Core Module**
- Soldered Onboard Intel® Core™ 2 Duo L7500 Processor
- Support Memory Capacity up to 4GB
- Dual Channels 24-bit LVDS, and Analog RGB
- Multi-expansion (3 x SATA, 1 x PATA, 8 x USB, 2 x Serial Ports, 5 x PCIe x1 Lane, 1 x PCIe x16 Lanes, 4 x PCI Masters)
- Wide Range Operating Temp.: -40 ~ 85°C

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SBC Daughterboard / Power Converter / Mounting Kit

Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Box PC

Industrial Chassis / Backplane / Power supply

System

CPU	Intel® Core™ 2 Duo L7500 1.6GHz CPU with 800MHz FSB
Memory	2 x 200-pin DDR2 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 3 x Serial ATA ports with 300MB/s HDD transfer rate
Watchdog Timer	1~255 levels reset

I/O

Serial Port	2 x COM Ports (2 x RS-232 via PBE-1700)
Parallel Port	SPP/EPP/ECP mode (via PBE-1700)
Floppy	1 x Floppy disk drive (via PBE-1700)
USB Port	8 x USB 2.0 ports
KB/MS	PS/2 interface for Keyboard and Mouse (via PBE-1700)
Expansion Bus	5 x PCIe x1 lane 1 x PCIe x16 lanes 4 x PCI Masters

Ethernet

Chipset	1 x Realtek RTL8111B PCIe Gigabit Ethernet controller
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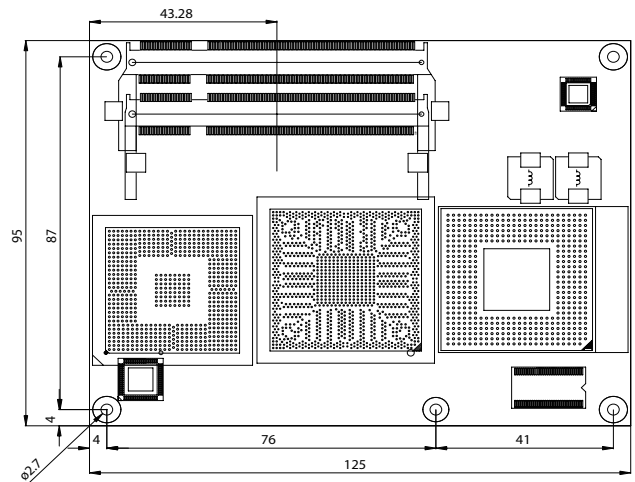
Display

Graphics Chipset	Integrated Intel® Graphics Media Accelerator X3100
Graphics Interface	Analog RGB support up to 2048 x 1536 TV-out support NTSC/PAL up to HDTV 1080P LCD: Dual Channels 24-bit LVDS

Mechanical & Environmental

Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimension (L x W)	125 x 95 mm (4.9" x 3.7")

Dimensions



Unit: mm

Ordering Information

COM-842E/L7500	Intel® Core™ 2 Duo L7500 1.6GHz COM Express CPU module
HS-0842-F1	Heat spreader (114 x 95 x 20.8 mm)
PBE-1700	COM Express evaluation board in ATX form factor Page 1-18
CBK-04-1700-00	Cable kit 1 x SATA cable 1 x COM port cable 1 x FDD cable 1 x IDE cable

All specifications are subject to change without notice.