

EmETXe-i9652

Intel® Core™ 2 Duo COM Express CPU Module



Features

- **COM Express Type II Core Module**
- Support Intel® Socket P Mobile Processors
- 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, 5 x PCIe x1 Lane, 1 x PCIe x16 Lanes, 4 x PCI Masters)
- **Extended Operating Temp.: -20 ~ 70°C**



System

CPU	Intel® Core™ 2 Duo processor, up to 800MHz FSB Intel® Celeron® M processor with 533/667MHz 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 1 x Floppy disk drive (via PBE-1700)

I/O

Serial Port	2 x COM ports (2 x RS-232 via PBE-1700)
Parallel Port	SPP/EPP/ECP mode (via PBE-1700)
USB Port	8 x USB 2.0 ports
KB/MS	PS/2 interface for Keyboard and Mouse (via PBE-1700)
Digital I/O	8-bit programmable Digital Input/Output
Expansion Bus	5 x PCIe x1 lane 1 x PCIe x16 lanes (for graphics only) 4 x PCI masters

Ethernet

Chipset	1 x Realtek RTL8111 PCIe Gigabit Ethernet controller
----------------	------------------------------------------------------

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

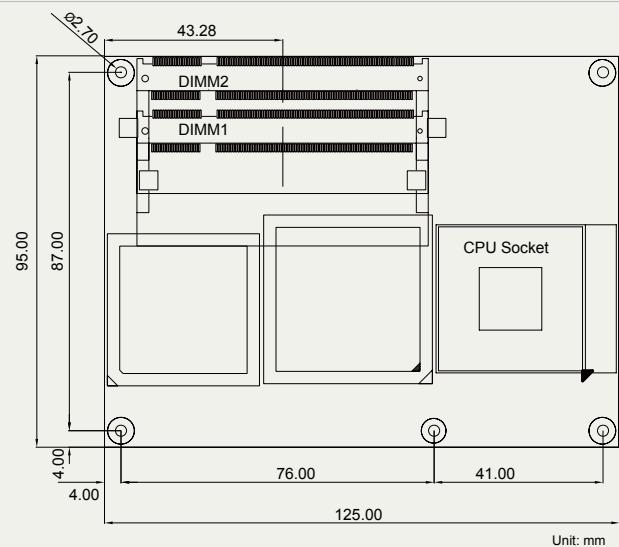
Recommended CPU list:

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

Mechanical & Environmental

Power Consumption	2.99A/12V, 0.19A/5V with Intel® Core™ 2 Duo T7500 2.2GHz
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimension (L x W)	125 x 95 mm (4.9" x 3.7")

Dimensions



Ordering Information

EmETXe-i9652	Socket P Intel® Core™ 2 Duo/Celeron® M COM Express CPU module
HS-9455-C3	Heatsink w/ fan for socket type CPU module (125 x 96 x 39 mm)
PBE-1700	COM Express evaluation board in ATX form factor
CBK-04-1700-00	Cable kit 1 x SATA cable 1 x COM port cable 1 x FDD cable 1 x IDE cable

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
Wide Temperature Box PC
BOX PC
Network Appliance
Industrial Chassis /Backplane /Power supply