

COM-630E

Wide Range Operating Temperature Intel® Atom™ Z510PT COM Express CPU Module



COM
Express

Features

- Fanless Design
- **COM Express Type 2 Core Module**
- Soldered Onboard Intel® Atom™ Z510PT Processor
- Soldered Onboard DDR2 1GB Memory
- Single Channel 24-bit LVDS, and Analog RGB
- Multi-expansion (1 x PATA, 2 x SATA, 2 x Serial Ports, 8 x USB Ports, 5 x PCIe x1 Lanes, 4 x PCI Masters)
- **Wide Range Operating Temp.: -40 ~ 85°C**

System

CPU	Soldered onboard Intel® Atom™ Z510PT 1.1GHz processor with 400MHz FSB
Memory	Soldered onboard 1GB DDR2 533MHz SDRAM
Chipset	Intel® Poulsbo US15WPT
BIOS	AMI PnP Flash BIOS
Storage	1 x Ultra ATA, support 2 IDE devices 2 x Serial ATA 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 selectable (via PBE-1700)
USB Port	8 x USB 2.0 ports
KB/MS	USB interface for keyboard and mouse (via PBE-1700)
Digital I/O	8-bit programmable Digital Input/Output
Expansion Bus	5 x PCIe x1 lanes 4 x PCI masters

Ethernet

Chipset	1 x Intel® 82574IT PCIe Gigabit Ethernet controller
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Display

Graphics Chipset	Integrated Intel® Graphics Media Accelerator 500
Graphics Interface	Analog RGB support up to 2048 x 1536 @60Hz LCD: Single channel 24-bit LVDS

Mechanical & Environmental

Power Requirement +12V, 5VSB

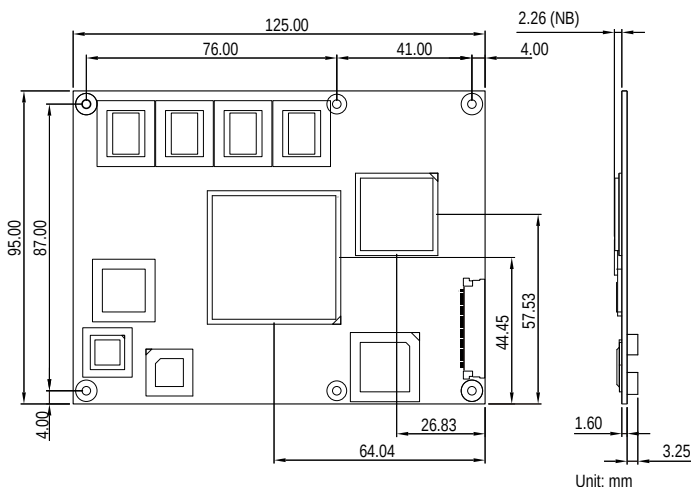
Power Consumption 0.8A/12V

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



Ordering Information

COM-630E	Intel® Atom™ Z510PT COM Express CPU module
HS-0630-W2	Heatsink wave type (95 x 125 x 18 mm)
HS-0630-F2	Heat spreader (95 x 125 x 18 mm)
PBE-1700 R1.2	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