

# EmETXe-i0156

Intel® Atom™ Z510PT/Z530P Menlow-XL COM Express CPU Module



## Features

- **COM Express Type 2 Core Module Module**
- Soldered Onboard Intel® Atom™ Z510PT/Z530P Processor
- Soldered Onboard DDR2 1GB Memory
- Single Channel 24-bit LVDS, and Analog RGB
- Multi-expansion (1 x PATA, 2 x SATA, 2 x COM Ports, 8 x USB Ports, 5 x PCIe x1 Lanes, 4 x PCI Masters)
- **Extended Operating Temp.: -20 ~ 70°C**

## System

<b>CPU</b>	Soldered onboard Intel® Atom™ Z510PT 1.1GHz processor with 400MHz FSB or Z530P 1.6GHz processor with 533MHz FSB
<b>Memory</b>	Soldered onboard 1GB DDR2 533MHz SDRAM
<b>Chipset</b>	Intel® Poulso US15WPT
<b>BIOS</b>	AMI PnP Flash BIOS
<b>Storage</b>	1 x Ultra ATA, support 2 IDE devices 2 x Serial ATA with 300MB/s HDD transfer rate
<b>Watchdog Timer</b>	1~255 levels reset

## I/O

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

## Ethernet

<b>Chipset</b>	1 x Intel® 82574IT PCIe Gigabit Ethernet controller
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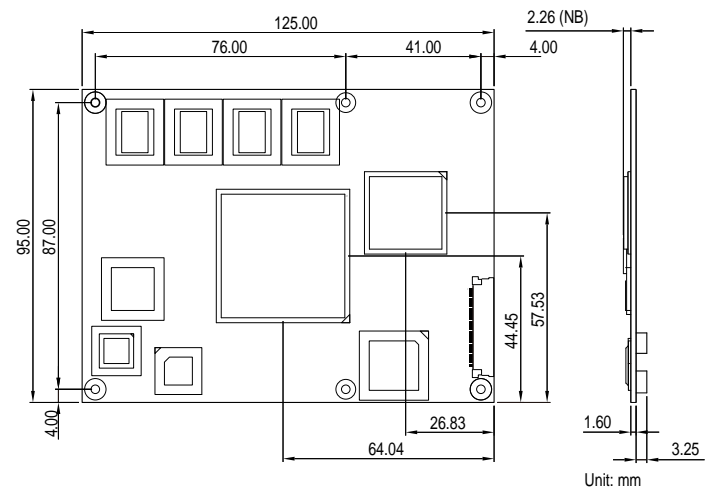
## Display

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

## Mechanical & Environmental

<b>Power Requirement</b>	+12V, 5VSB
<b>Power Consumption</b>	0.8A/12V
<b>Operating Temp.</b>	-20 ~ 70°C (-4 ~ 158°F)
<b>Operating Humidity</b>	0 ~ 90% (non-condensing)
<b>Dimension (L x W)</b>	125 x 95 mm (4.9" x 3.7")

## Dimensions



## Ordering Information

<b>EmETXe-i0156/Z510PT</b>	Intel® Menlow-XL Z510PT COM Express CPU module, soldered onboard 1GB SDRAM
<b>EmETXe-i0156/Z530P</b>	Intel® Menlow-XL Z530P COM Express CPU module, soldered onboard 1GB SDRAM
<b>HS-0630-W2</b>	Heatsink wave type (95 x 125 x 18 mm)
<b>HS-0630-F2</b>	Heat spreader (95 x 125 x 18 mm)
<b>PBE-1700 R1.2</b>	COM Express evaluation board in ATX form factor Cable kit for PBE-1700 1 x SATA cable 1 x COM port cable 1 x FDD cable 1 x IDE cable
<b>CBK-04-1700-00</b>	

All specifications are subject to change without notice.