

# COM-630E

Wide Range Operating Temperature Intel® Menlow-XL COM Express CPU Module



## Features

- Fanless Design
- **COM Express Type II Core Module**
- Soldered Onboard Intel® Atom™ Z510PT Menlow-XL Processor with 400FSB
- Soldered Onboard DDR2 1GB SDRAM
- Single Channel 24-bit LVDS, and Analog RGB
- Multi-expansion (1 x PATA, 8 x USB, 2 x Serial Ports, 5 x PCIe x1 Lanes, 4 x PCI Masters)
- **Wide Range Operating Temp.: -40 ~ 85°C**



**COM Express**

## System

<b>CPU</b>	Intel® Atom™ Z510PT Menlow-XL processor with 400MHz FSB
<b>Memory</b>	Soldered onboard 1GB DDR2 533MHz SDRAM
<b>Chipset</b>	Intel® Poulsbo US15WPT
<b>BIOS</b>	AMI PnP Flash BIOS
<b>Storage</b>	1 x Ultra ATA, support 2 IDE devices 1 x Floppy disk drive (via PBE-1700)
<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 (via PBE-1700)
<b>Floppy</b>	1 x Floppy disk drive (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 lane 4 x PCI masters

## Ethernet

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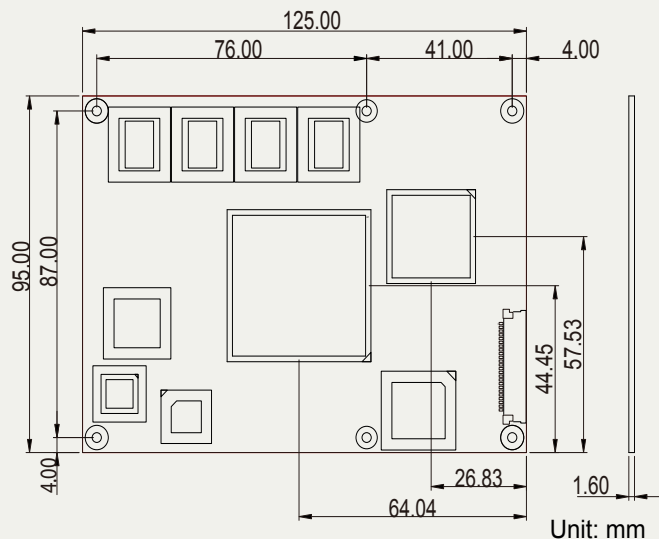
## Display

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

## Mechanical & Environmental

<b>Power Consumption</b>	0.8A/12V, 0.15A/5VSB
<b>Operating Temp.</b>	-40 ~ 85°C (-40 ~ 185°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>COM-630E</b>	Intel® Atom™ Z510PT Menlow-XL COM Express CPU module
<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</b>	COM Express evaluation board in ATX form factor
<b>CBK-04-1700-00</b>	Cable kit 1 x SATA cable 1 x COM port cable 1 x FDD cable 1 x IDE cable