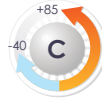
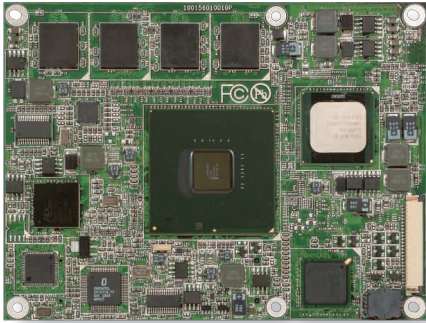




COM-630E

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



COM Express

Features

- Fanless Design
- **COM Express Type II Core Module**
- Soldered Onboard Intel® Atom™ Z510PT Menlow-XL CPU 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, 6 x PCIe x1 Lanes, 4 x PCI Masters)
- Wide Range Operating Temp.: -40 ~ 85°C

System

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

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	USB interface for Keyboard and Mouse (via PBE-1700)
Digital I/O	8-bit programmable Digital Input/Output
Expansion Bus	6 x PCIe x1 lane 4 x PCI Masters

Ethernet

Chipset 1 x Intel® 82574IT PCIe Gigabit Ethernet controller

Display

Graphics Chipset Integrated Intel® Graphics Media Accelerator 500

Graphics Interface Analog RGB support up to 2048 x 1536

LCD: Single Channel 24-bit LVDS

Mechanical & Environmental

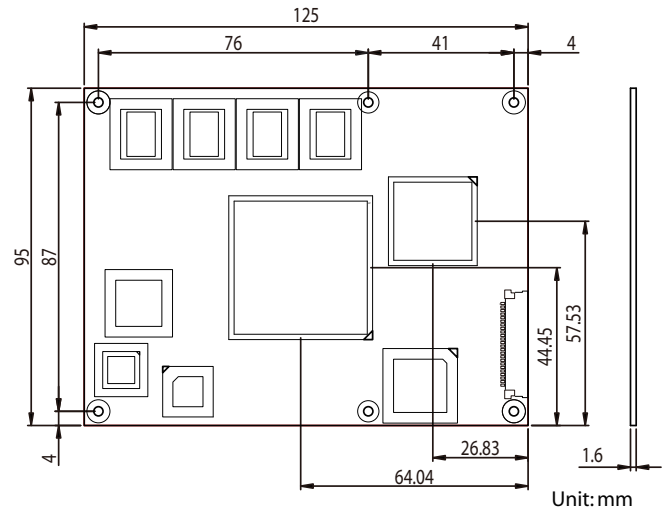
Power Consumption TBD

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	Atom™ Z510PT Menlow-XL COM Express CPU module
HS-0630-W1	Heatsink wave type (95 x 125 x 20 mm)
HS-0630-F1	Heat spreader (95 x 125 x 15 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