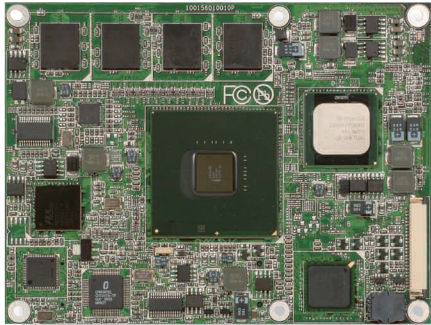




EmETXe-i0156

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



Features

- **COM Express Type II Core Module**
- Soldered Onboard Intel® Atom™ Z510PT Menlow-XL CPU
- Soldered Onboard DDR2 1GB SDRAM
- Single Channel 24-bit LVDS, and Analog RGB
- Multi-expansion (1 x PATA, 8 x USB, 6 x PCIe x1 Lanes, 4 x PCI Masters)
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU Intel® Atom™ Z510PT Menlow-XL 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)

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

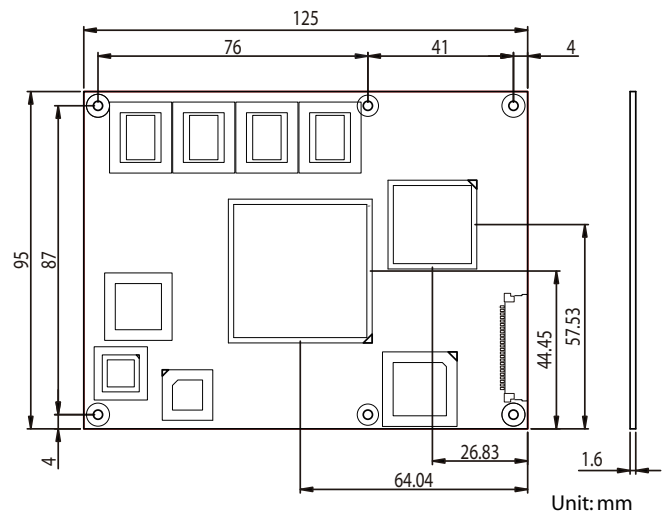
Power Consumption TBD

Operating Temp. -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-i0156	Intel® 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
CBK-04-1700-00	Cable kit
	1 x SATA cable
	1 x COM port cable
	1 x FDD cable
	1 x IDE cable

All specifications are subject to change without notice.