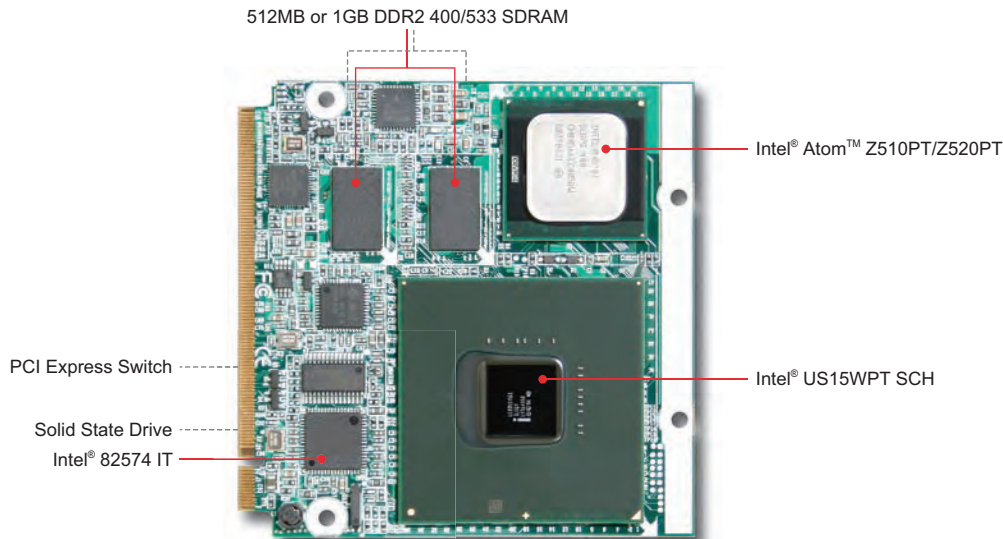


# PQ7-M103XL

Qseven, Based on Intel® eMenlow XL Platform with DDR2 SDRAM, SATA LVDS Display, Gigabit Ethernet, SDVO and NANDrive



\* Actual Size

## FEATURES

- Atom™ Z510PT (1.1GHz) or Z520PT (1.33GHz)
- Intel® US15WPT integrated GMA 500 Graphic
- Ultra Low CPU and SCH TDP (Under 5W) for fan-less application
- LVDS and SDVO interface for dual independent display
- Full Hardware acceleration of H.264, MPEG2, VC1 and WMV9 is supported
- On board DDR2 supported up to 1GB
- 4Mbit flash ROM for easy BIOS upgrade and video BIOS for DFP

## ORDERING GUIDE

Standard	<p><b>PQ7-M103XL-1100-0512-1G SSD</b> Intel® Atom™ Z510PT Processor based Qseven module with 512MB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and 1GB SSD</p> <p><b>PQ7-M103XL-1100-1024-1G SSD</b> Intel® Atom™ Z510PT Processor based Qseven module with 1GB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and 1GB SSD</p> <p><b>PQ7-M103XL-1330-0512-1G SSD</b> Intel® Atom™ Z520PT Processor based Qseven module with 512MB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and 1GB SSD</p> <p><b>PQ7-M103XL-1330-1024-1G SSD</b> Intel® Atom™ Z520PT Processor based Qseven module with 1GB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and 1GB SSD</p>
Optional	<p><b>Heat Spreader</b> 70x62x8mm for PQ7-M103XL with 512MB DDR2 SDRAM</p> <p><b>Heat Spreader</b> 70x62x8mm for PQ7-M103XL with 1GB DDR2 SDRAM</p>

## GENERAL

Processor	Intel® Atom™ Processor Z510PT / Z520PT (with Hyper-Threading Technology)
Chipset/Core Logic	Intel® System Control Hub US15WPT
System Memory	Memory down, Up to 1 GB DDR2 400/533 SDRAM, single channel (64 bits wide), 1 rank
BIOS	AMI
Storage Devices	SATA x2, SSD on module
Solid State Disk	On-board ATA 1GB Solid State Drive, up to 4G Byte support (optional)
Watchdog Timer	Customization
Expansion Interface	- Two PCI Express x1 lanes (3rd lane is available if no GbE support) - One SDVO interface - LPC Interface - High definition audio interface
Hardware Monitoring	EMC 1402 for Voltage and Temperature Sensing
Dimension	Dimension : 70(W) x 70(L) mm; 2.75"(W) x 2.75" (L)
Environment	Operation Temperature:-40 to 85°C Storage Temperature: -40 to 85°C Operation Humidity: 5 to 90%

## I/O

MIO	N/A
IrDA	N/A
Ethernet	One Gigabit Ethernet Controller (Intel® 82574 IT)
Audio	Intel® High Definition Audio (Intel® HD Audio)
USB	USB 2.0 x 8
Keyboard & Mouse	N/A

## DISPLAY

Graphic Controller	Intel® US15WPT SCH
Graphic Memory	Intel® GMA 500
Display Interface	- Single channel 112MHz LVDS transmitter, supports display with 1x18 and and 1x24 bit data mapping up to resolutions of 1366x768 pixel - Single channel SDVO interface, supports resolutions up to 1280x1024 pixel - Dual independent display support