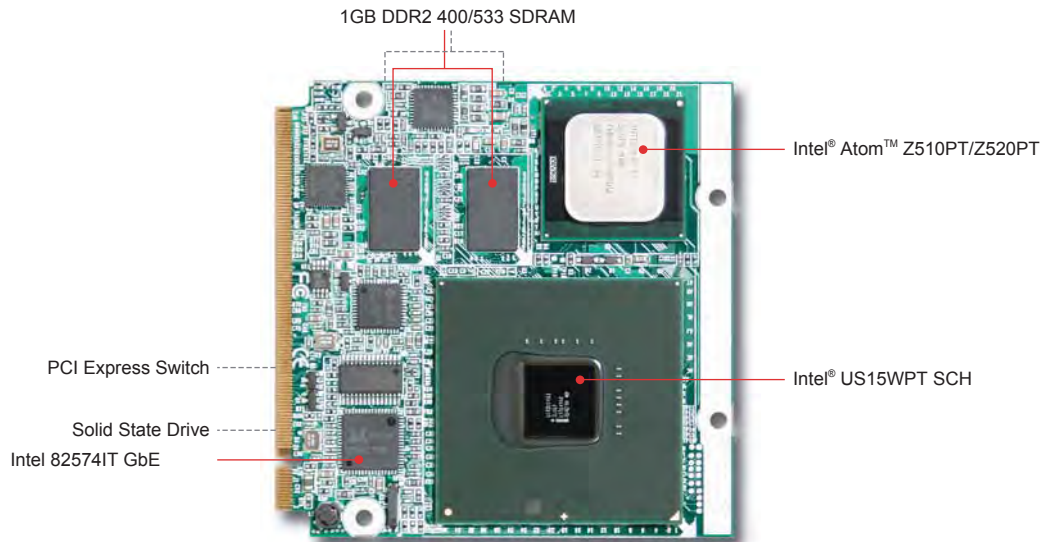




PQ7-M103XL Series

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
- Internal LVDS and SDVO interface for dual independent display
- Full Hardware acceleration of H.264, MPEG2, VC1 and WMV9 is supported
- On board 512MB DDR2 supported up 1GB
- Onboard ANADFlash 4GB up to 8GB

ORDERING GUIDE

Standard

PQ7-M103XL-1100-0512
Intel® Atom™ Z510PT Processor based Qseven module with 512MB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO

PQ7-M103XL-1100-1024-4G SSD
Intel® Atom™ Z510PT Processor based Qseven module with 1GB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and 4 GB SSD

PQ7-M103XL-1330-0512
Intel® Atom™ Z520PT Processor based Qseven module with 512MB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO

PQ7-M103XL-1330-1024-4G SSD
Intel® Atom™ Z520PT Processor based Qseven module with 1GB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and 4GB SSD

Optional

Heat Spreader
70x62x8mm for PQ7-M103XL

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 4 GB DDR2 400/533 SDRAM, single channel (64 bits wide), 1 rank
BIOS	AMI
Storage Devices	SATA x2, SSD x1
Solid State Disk(Optional)	On-board ATA 4GB Solid State Drive, up to 8G Byte support (optional)
Watchdog Timer	Customization
Expansion Interface	- Two PCI Express x1 (3 rd lane is optional if no GbE support) - One Port 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	Operating Temperature: -40 to 85°C Storage Temperature: -40 to 85°C Relative Humidity: 5 to 90%

I/O

MIO	N/A
IrDA	N/A
Ethernet	One Gigabit Ethernet Controller Intel 82574IT
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 1x24 bit data mapping up to resolutions of 1366x768 pixel - Single channel SDVO interface, supports resolutions up to 1280x1024 pixel - Dual independent display support



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