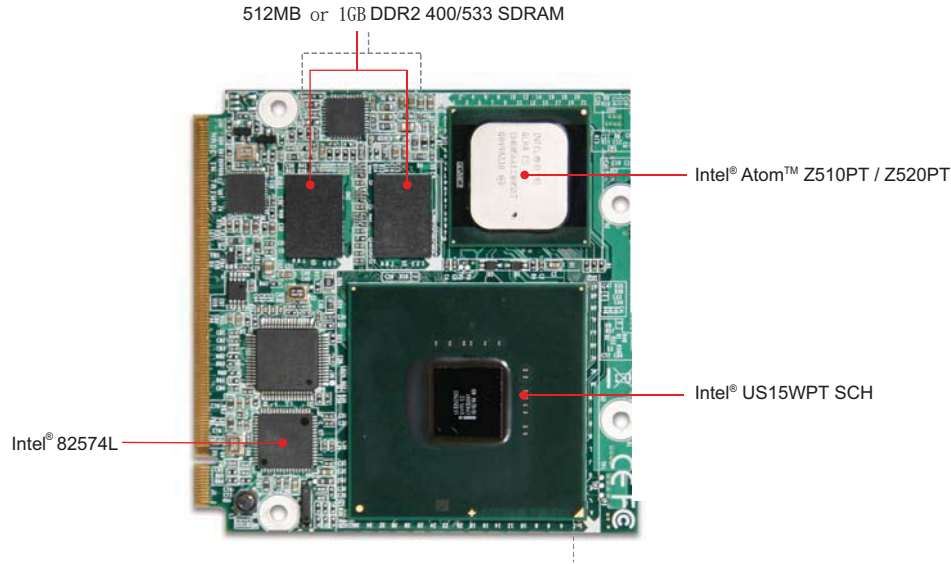




PQ7-M102XL Series

Qseven, Intel® Embedded Menlow-XL Platform with DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and SATA



FEATURES

- Atom™ Z510PT (1.1GHz) or Z520PT (1.33GHz)
- Intel® US15WPT integrated GMA 500 Graphic, full hardware acceleration of H.264, MPEG2, VC1 and WMV9 is supported
- Support Two SATA Ports from Qseven Golden Finger
- Ultra Low CPU and SCH TDP (Under 5W) for fan-less application
- Internal LVDS and SDVO interface for dual independent display
- On board 512MB or 1GB DDR2 supported
- 4Mbit flash ROM for easy BIOS upgrade and video BIOS for DFP

ORDERING GUIDE

Standard	Part Number	Description
	PQ7-M102XL-1100-0512	Intel® Atom™ Z510PT Processor based Qseven module with 512MB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and SATA
	PQ7-M102XL-1100-1024	Intel® Atom™ Z510PT Processor based Qseven module with 1024MB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and SATA
	PQ7-M102XL-1330-0512	Intel® Atom™ Z520PT Processor based Qseven module with 512MB DDR2 SDRAM, LVDS Display, Gigabit Ethernet SDVO and SATA
	PQ7-M102XL-1330-1024	Intel® Atom™ Z520PT Processor based Qseven module with 1024MB DDR2 SDRAM, LVDS Display, Gigabit Ethernet SDVO and SATA

GENERAL

Processor	Intel® Atom™ Processor Z510PT / Z520PT
Chipset/Core Logic	Intel® System Control Hub US15WPT
System Memory	Memory down, 512MB or 1GB 400/533 SDRAM
BIOS	AMI
Storage Devices	SDIO Interface, support boot from SD (SDIO 1.1); 2 x SATA
Solid State Disk	N/A
Watchdog Timer	N/A
Expansion Interface	- One Port SDVO Interface - One PCI Express x1 - Two Ports SATA Interface - LPC Interface - High Definition Audio Interface
Hardware Monitoring	CPU Voltage and Temperature Sensing
Dimension	Dimension : 70(W) x 70(L) mm; 2.75"(W) x 2.75" (L)
Environment	Operating Temperature: -40 to 80°C Storage Temperature: -40 to 80°C Relative Humidity: 5 to 95%

I/O

MIO	N/A
IrDA	N/A
Ethernet	One Gigabit Ethernet Controller
Audio	Intel® HDA
USB	USB 2.0 x 8
Keyboard & Mouse	N/A

DISPLAY

Graphic Controller	Intel® US15WPT SCH
Graphic Memory	Intel® GMA 500
Display Interface	LVDS / SDVO



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