



FEATURES

- Atom™ Z510 (1.1GHz) or Z530 (1.6GHz)
- Intel® US15W integrated GMA 500 Graphic, full hardware acceleration of H.264, MPEG2, VC1 and WMV9 is supported
- Support two SATA and three PCI Express lanes 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 up to 2GB DDR2 supported

ORDERING GUIDE

Standard	Part Number	Description
	PQ7-M104G-1100-0512	Intel® Atom™ Z510 Processor based Qseven module with 512MB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and SATA
	PQ7-M104G-1100-1024	Intel® Atom™ Z510 Processor based Qseven module with 1GB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and SATA
	PQ7-M104G-1100-2048	Intel® Atom™ Z510 Processor based Qseven module with 2GB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and SATA
	PQ7-M104G-1600-0512	Intel® Atom™ Z530 Processor based Qseven module with 512MB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and SATA
	PQ7-M104G-1600-1024	Intel® Atom™ Z530 Processor based Qseven module with 1GB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and SATA
	PQ7-M104G-1600-2048	Intel® Atom™ Z530 Processor based Qseven module with 2GB DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and SATA

GENERAL

Qseven Module	Intel® Atom™ Processor Z510/Z530
Chipset/Core Logic	Intel® System Control Hub US15W
System Memory	Memory down, up to 2GB DDR2 400/533 SDRAM
BIOS	AMI
Storage Devices	SDIO Interface
Solid State Disk	On-board ATA 1GB Solid State Drive, up to 8G Byte support (optional)
Watchdog Timer	N/A
Expansion Interface	- One Port SDVO Interface - Three PCI Express x1 lanes (fourth lanes is available if no SATA support) - 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: 0 to 60°C Storage Temperature: -20 to 80°C Relative Humidity: 5 to 90%

I/O

MIO	N/A
IrDA	N/A
Ethernet	One Realtek Gigabit Ethernet Controller (RTL8111D)
Audio	Intel® HDA
USB	USB 2.0 x 8
Keyboard & Mouse	N/A

DISPLAY

Graphic Controller	Intel® US15W SCH
Graphic Memory	Intel® GMA 500
Display Interface	LVDS / SDVO