



* Actual Size



FEATURES

- Atom™ A510 (1.1GHz) or Z530 (1.6GHz)
- Intel® US15W 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 WM V9 is supported
- On board 512MB DDR2 supported
- 4Mbit flash ROM for easy BIOS upgrade and video BIOS for DFP

GENERAL

Processor	Intel® Atom™ Processor Z510/Z530
Chipset/Core Logic	Intel® System Control Hub US15W
System Memory	Memory down, 512MB DDR2 400/533 SDRAM
BIOS	Award
Storage Devices	SDIO Interface
Solid State Disk	N/A
Watchdog Timer	N/A
Expansion Interface	- One SDVO interface - One PCI Express x1 - LPC Interface - High definition audio interface
Hardware Monitoring	LM87 For Voltage and Temperature Sensing
Dimension	Dimension : 70(L) x 70(W) mm; 2.75"(L) x 2.75" (W)
Environment	Operating Temperature: 0 to 60°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing

ORDERING GUIDE

Standard

PQ7-M100G-Z530

Intel® Atom™ Z530 Processor based Qseven module with 512MB DDR2 SDRAM, LVDS Display, Gigabit Ethernet and SDVO

PQ7-M100G-Z510

Intel® Atom™ Z510 Processor based Qseven module with 512MB DDR2 SDRAM, LVDS Display, Gigabit Ethernet and SDVO

I/O

MIO	N/A
IrDA	N/A
Ethernet	One Gigabit Ethernet Controller (Intel® WG82574L)
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