

**iW-Q7 COM** is Intel Atom powered, low power, high end mobile computing off-the-shelf COM based on the Industry latest Qseven form factor. The module is suitable for mobile & battery powered applications and can be easily integrated for any handheld and ultra mobile computing applications. The module provides rich set of high and low speed interfaces.

## FEATURES:

- ❖ Intel Atom Z530/Z510 @ 1.6GHz/1.1GHz processor
- ❖ Intel US15W SCH @400MTPS/533MTPS
- ❖ Up to 2GB on board DDR2 RAM @ 400MTPS/533MTPS
- ❖ Intel graphic media accelerator 500
- ❖ Dual independent display
- ❖ Full hardware accelerator for 2D & 3D graphics, MPEG2, MPEG4, H.264, WMV9 and Vc1
- ❖ IO interfaces Supported
  - ✘ 7xUSB 2.0 Host, 1USB 2.0 client
  - ✘ Intel HD Audio
  - ✘ 2xPCIe, 2.5GB/s in each direction
  - ✘ PATA- ATA/ATAPI-6
  - ✘ 3xSDIO1.1or MMC4.0
  - ✘ SMBus
  - ✘ SDVO @ 160MHz
  - ✘ I2C
  - ✘ LVDS @ 112MHz
  - ✘ LPC
- ❖ Onboard micro SD slot
- ❖ Direct interface to 40Pin PATA ZIF HDD or SSD drives
- ❖ Onboard XDP debug support\*
- ❖ Onboard BIOS programming support\*
- ❖ ACPI 3.0 power management
- ❖ Input supply: 5V +/- 5%
- ❖ Power Consumption: 5W typ
- ❖ Form factor 70mm x 70mm x 7mm
- ❖ Temperature: Operating 0° to 50°C; Storage -20° to +85°C
- ❖ Humidity: 0 to 80% Non condensing



\* Optional features

## ADVANTAGES:

- ❖ Low power and Low cost
- ❖ Small size and High density
- ❖ Mobility and Transportation
- ❖ Ultra mobile computing
- ❖ Easy integration to carrier
- ❖ Fanless Passive cooling



## APPLICATIONS:

- ❖ Handheld & embedded applications
- ❖ Battery powered industrial applications



### About Us:

iWave Systems Technologies is an embedded hardware and software turnkey design services company, focused on providing integrated solutions for developing innovative products and systems in the areas of Communication, Multimedia, Consumer electronics, Industrial and Automotive. With its 10 year expertise combined with its current 130 strong team, iWave is poised to become an Independent design house for the high tech electronic systems.

### Contact Us:

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