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Product Newsletter



Avalue release the new EPIC Board EPI-QM57 based on the new Intel® Core™ i7 processor and mobile Intel® QM57 Express chipset



Avalue, a member of the Intel® Embedded Alliance, has announced the EPI-QM57, a next-generation Intel® Core™ i7 processor-based EPIC computing board. Based on Intel's 32nm process technology and featuring a two-chip platform that integrates the Northbridge chip with the CPU, this platform delivers enhanced performance, energy efficiency, manageability, security functions and smoother visual experiences.

Avalue's EPI-QM57 EPIC module provides high performance but low TDP. Utilizing the low-voltage Intel® Core™ i7-620LE processor or the ultra-low voltage Intel® Core™ i7-620UE processor (featuring Intel® Turbo Boost and Intel® Hyper-Threading technologies, as well as on-processor graphics and hardware acceleration for AES (Advanced Encryption Standard), the EPI-QM57 supports one 204-pin DDR3 SODIMM (non-ECC) up to 4GB SDRAM.

A wide variety of display I/O configurations are supported, including DVI, dual-channel 18/24-bit LVDS, VGA (co-lay with DVI), and dual display configurations. The rich I/O and powerful expandability of the EPI-QM57 supports four sets of SATA, one set of EIDE, two sets of COM, eight sets of USB 2.0 ports, 8-bit GPIO, and one external CF socket. It also provides one set of PCIe x1 and one optional 34mm Express Card slot for expansions, such as wireless connectivity, video capture or extra storage; Built-in touch screen interface allows an interactive Panel PC setup and two Gigabit Ethernet interfaces for faster and more flexible connection.

Intel® Active Management Technology 6.0 enables remote networking manageability for easy monitoring and communication between the server and end user, offering optimized system management capability, even if the power is off. RAID levels 0, 1, 5 and 10 are supported to improve storage performance functions. The EPI-QM57 is ideal for a broad range of applications including medical instruments, PoS/Kiosk machines, Digital Signage, surveillance devices, automation controllers, and military systems etc. Avalue's EPI-QM57 is compatible with Microsoft Win7 / 7e / XP / XPe / Vista, WEPOS and Linux operating systems.

EPI-QM57 EPIC Module Features:

- Onboard Low Voltage or Ultra-low Voltage Intel® Core™ i7 processor






- One 204-pin DDR3 SODIMM (non-ECC) Up to 4GB
- DDR3 800/1066 SDRAM
- Dual View, 2-CH LVDS, DVI (Co-lay with VGA)
- Dual Intel® Gigabit Ethernet
- 1 CF, 4 SATA, 2 COM, 8 USB, 16-bit GPIO
- Options: Express Card/34mm, Built-in Touch Screen Interface
- Supports Intel® Active Management Technology 6.0
- Supports RAID 0/1/5/10


For more information, or details on the full range of Avalue products available from Anglia please call +44 (0)1945 474747 or email info@anglia.com

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