Computer on module includes dual core 32-nm Atom processor, NM10 Express chipset for ETX-based systems

ADLINK Technology announced the ETX-CV Computer on Module (COM) family. Based on the latest dual-core 32nm process Intel Atom Processor and NM10 Express Chipset. Power consumption ranges between 6 W and 12 W. The ETX-CV is positioned as an entry level ETX module for generic system but also for systems that require a full set of graphics features. The module comes with integrated support for high VGA up to 1920 x 1200 resolution (WUXGA), single/dual channel 18/24-bit LVDS and onboard DisplayPort connector. It conforms to the latest ETX 3.02 specification and provides two additional onboard SATA connectors while maintaining full backward compatibility with earlier ETX standards. Operating system support includes Windows XP, Windows XP Embedded, Windows 7, WinCE, and Linux. Primary focus is for applications in medical diagnostics and imaging, gaming, industrial automation, test and measurement, point-of-sale (POS), and industrial control. The ETX-CV supports up to 4 GB of DDR3 memory on a single SODIMM, incorporates an Intel-based 10/100BASE-T Ethernet port, and provides dual channel IDE, two channels SATA, four USB 2.0 ports, two serial ports, one parallel port shared with floppy, one PS/2 keyboard/mouse interface, and HD audio. The COM fully supports PCI and legacy ISA based on high-speed PCI/ISA bridge and is equipped with an AMI Aptio BIOS supporting embedded features such as: Remote Console, CMOS backup for battery-less operation, CPU and System Monitoring, and Watchdog Timer.

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