

# ITOX ML936-B16C ECX SBC

Features 1.6GHz Intel® Atom™ Processor Z530P

## New 'XL' Package Reduces Board Cost

### ML936-B16C ECX SBC

- ECX Form Factor (105 mm x 146 mm)
- 12 VDC Power Supply Input
- 1.6GHz Intel® Atom™ processor Z530P
- Intel® System Controller Hub US15WP
- Up to 2GB of DDR2 400/533 MHz SODIMM Memory
- Integrated Intel® Graphics Media Accelerator 500
- DVI Graphics Port
- LVDS Display Interface (18bit & 24bit)
- PCI Express Gigabit Ethernet LAN Controller
- IDE Ultra ATA/100 interface
- CompactFlash Memory Socket
- SDIO Slot for SD/MMC Flash Memory Cards
- Trusted Platform Module (TPM) 1.2 Header
- 24-bit HD Audio CODEC (192KHz sample rate)
- 2 Serial COM Ports
- 4 USB 2.0 Ports

### EXT-ECX2 Expansion Daughterboard Option

- 1 Mini PCI Express Expansion Slot
- 4 USB 2.0 Ports
- 4 Serial COM Ports
- 8-Line General Purpose I/O (GPIO)
- Audio Line-Out & Microphone Jacks



The ITOX ML936-B16C ECX SBC incorporates a 1.6GHz Intel® Atom™ processor Z530P and Intel® System Controller Hub (SCH) US15WP with 'XL' 1.0 mm ball-pitch package. Use of the larger-footprint processor and chipset reduces PCB complexity and board manufacturing expenses, allowing ITOX to provide additional cost-savings to our customers. ITOX offers an optional expansion daughterboard EXT-ECX2 to provide additional I/O capability. In addition, custom expansion daughterboards can be designed to easily accommodate customer-specific requirements.

For a cost-effective, low-power embedded solution in digital signage, ATM/POS terminals, kiosks, industrial automation and control, gaming, medical diagnostics & health care, interactive client, and security applications, the ITOX ML936-B16C ECX SBC is the right-choice. Having the same mounting-hole dimensions as 3.5" subcompact form-factor SBCs, it is also a "drop-in" replacement in many of these applications.

These products are under strict revision control with guaranteed availability through 2016.

For more information please visit our website: <http://www.itox.com/>



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**ITOX maintains the base platform, allowing our integration partners and customers to stay focused on their true value-add —“The Application”**