

Key benefits

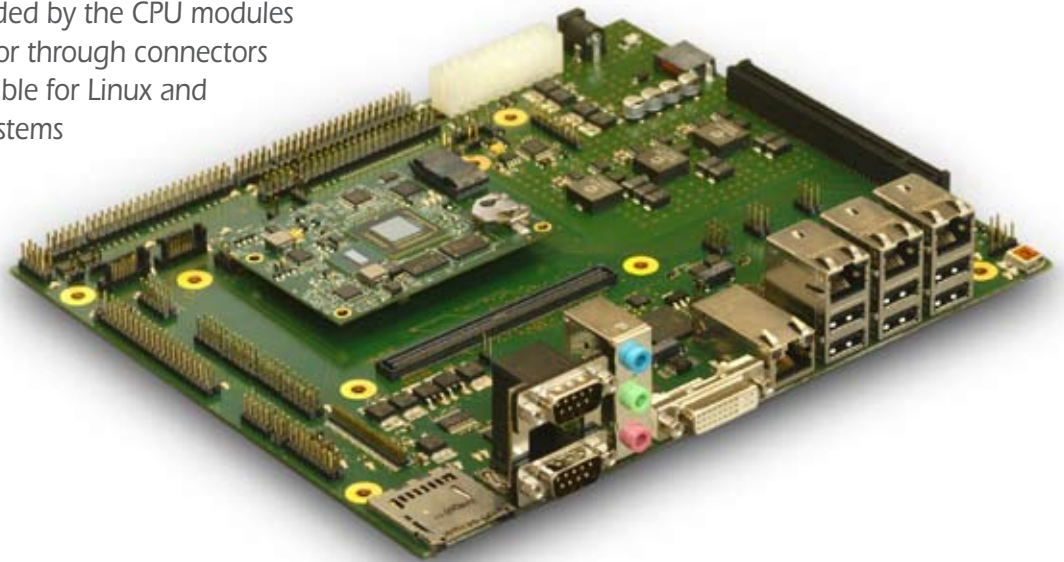
- Supports both Intel® Atom™ & Tolapai™
- Zero effort Windows & Linux evaluation
- No JTAG needed
- Micro-ATX form factor (244x244mm)
- Maximum interface and connectivity
- Included design guides minimizing the development time of custom interfaces
- Available customer training and hardware design service for custom application

Key features

- First development board supporting both Intel Atom™ and Tolapai™ modules
- All the interfaces provided by the CPU modules are available onboard or through connectors
- Drivers and BSPs available for Linux and Windows operating systems
- Full RoHS compliance

Package contents

- LCD display (cable included) (Mirach kit only)
- Power supply (12v)
- Manual & quick start guide
- Peripheral implementation design guide
- USB pendrive containing Windows and Linux demo images
- CD containing drivers, BSP and PDF references
- Silica Linecard paperwork



Megrez • Intel® Atom™ & Tolapai™ evaluation board

Interchangeable Intel Atom & Tolapai development board providing maximum flexibility and a wide range of interfaces



Megrez

Processor	Board can accept a single Mirach (Intel® Atom™ based up to 1.86GHz) or Mizar (Intel Tolapai™ based up to 1.2GHz) module
Mirach & Mizar	7-port (Atom) or 2-port (Tolapai) USB 2.0 Host controller 1x (Atom) or 2x (Tolapai) UART ports 1x SMBus connector 1x PCI-Express bus (8X on Tolapai, 1X on Atom) 1x LPC Interface 12-channel (Atom) or 20-channel (Tolapai) GPIO
Mizar-only	2x CAN bus connectors 3x 10/100/1000 Ethernet connectors 1x IEEE1588 interface 2x SATA Connectors 1x SSP Interface 1x LEB Interface 3x TDM Interfaces 1x SPI Interface
Mirach-only	1x 10/100 Ethernet connector 1x SDIO/MMC connector 1x Audio connector 1x DVI connector 1x LVDS connector 1x IDE connector 1x USB 2.0 Client
Physical Features	Fanless heatsink 0 to +60°C operational temperature range -10 to +85°C storage temperature range RoHS and Lead-free production micro-ATX, 244 mm x 244 mm (6.7" x 6.7")
OS Support	Megrez and Mirach/Mizar modules support all major x86 operating systems (DOS, Microsoft Windows including Vista, Linux and its major distributions such as Ubuntu, Fedora, Debian, OpenSUSE, Gentoo and derivatives)



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