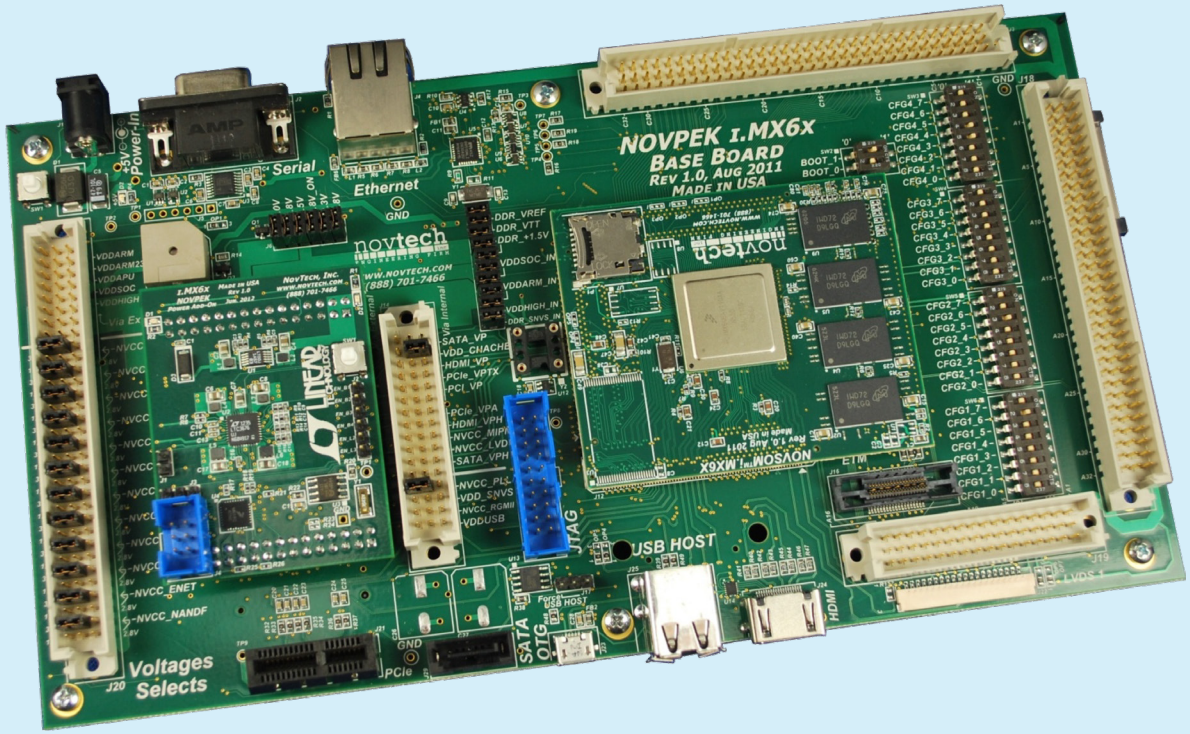
NOVPEK i.MX6x-LT

Platform Evaluation Kit

Unleash the power of the i.MX6x SoC

The NOVPEKTMi.MX 6 Platform Evaluation Kit was developed with close collaboration with NXP to give OEMs a flexible platform to evaluate i.MX6 processors by giving access to all the available I/Os on the device. The platform evaluation kit comes with software to help engineers quickly get started.



Kit Contents:

Hardware

- NOVSOM®i.MX6 Module
- NOVPEK™i.MX6x-LT base-board
- NovTech's PM Solution based on Power by Linear™.
- AC/DC Power supply

Software and documentation

- Quick Start Guide
- Boot-loader
- Linux Porting
- QNX Porting
- Android Porting

To be released:

- CE Porting

NovTech, Inc., 7551 Wiles Road, suite 204, Coral Springs, FL 33067
(954) 341-3320 FAX (954) 341-3323
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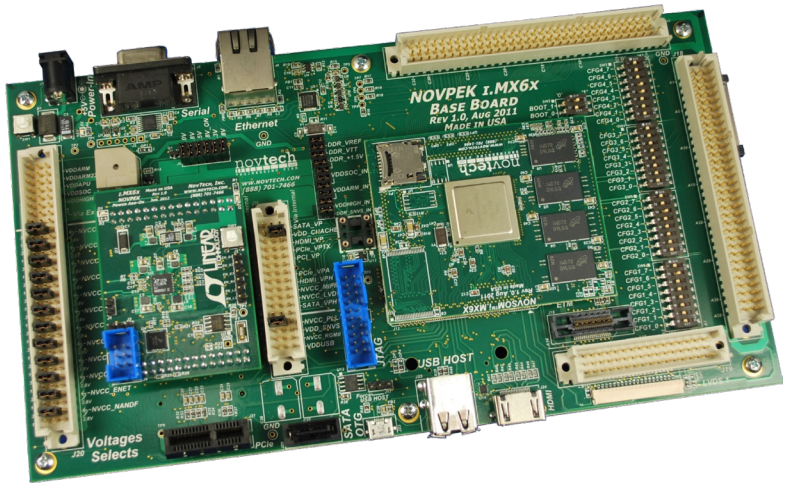

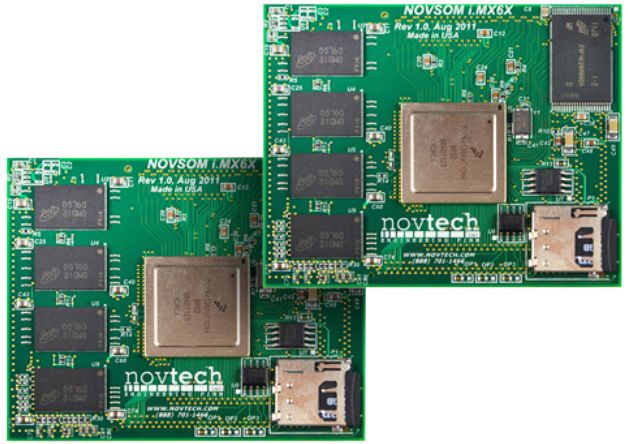

Features

- 201 easily accesible IOMUX pins
  - Arranged in two 32x3 & one 16x3 100mil pin headers
- Supports all dedicated i.MX6x peripherals, USB OTG, USB Host, SATA, LVDS, PCIe, HDMI and MIPI/SDI
- Advanced Power Management (PM) development support
  - Add-on card, multiple custom solutions available
  - Multiple voltage settings for each peripheral voltage rail
  - Accurate power consumption analysis framework for all voltage rails on the i.MX6x
- On-board debug ports: JTAG and 16Bit ETM
- Bootable with terminal support
  - RS232 and TTL interfaces, only uses two i.MX6x pins (two IOMUX options)
- All i.MX6x boot options available
- Simplified firmware/development through 10/100 Ethernet Port
  - SPI based, does not consume the built-in FET
- USB OTG port can be forced to Host mode
- Highly integrated NovTech PM solution
  - Multiple power-on events
  - Reprogrammable for configurability

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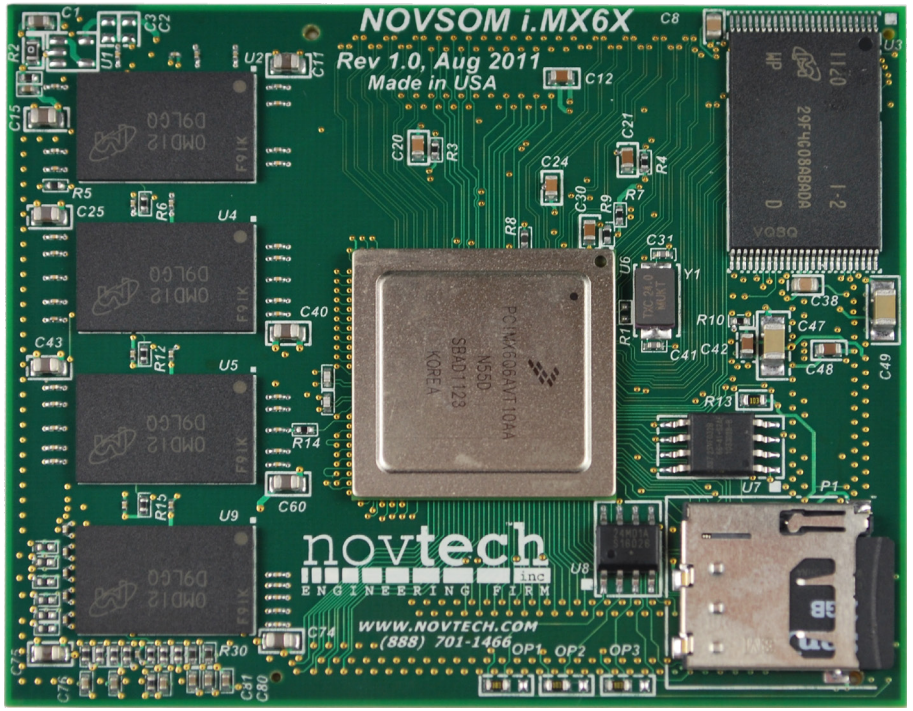
NOVSOM®i.MX6x Module

Features

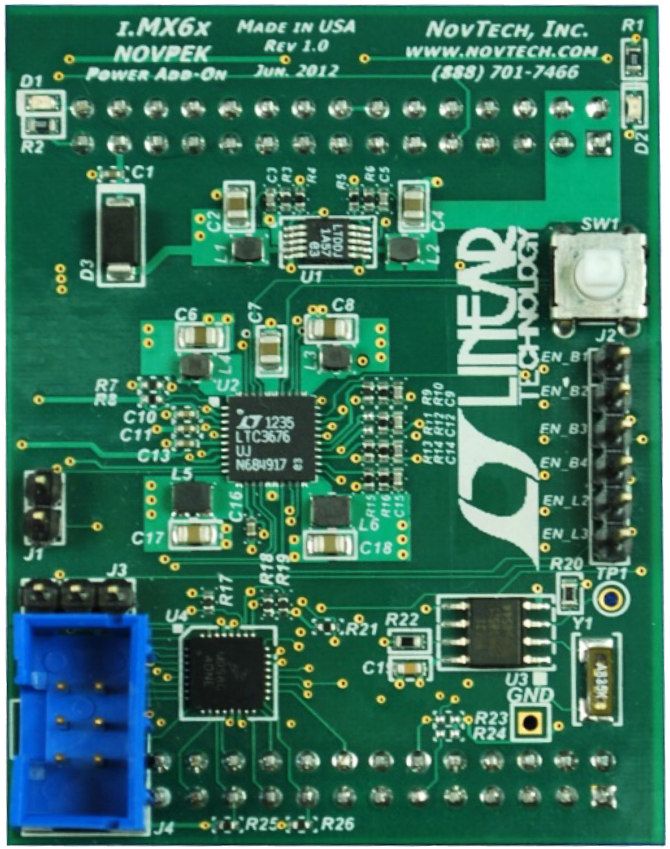
- All i.MX6x variants supported
- Up to 4GB DDR3
- On-board solid state storage/boot options
  - µSD
  - NAND Flash
  - SPI Serial flash
  - EEPROM
- On-board clocks
- All peripheral voltage ranges are supported
- Dimensions: 2.330" by 2.835"
- Board-to-Board height from 6mm to 16mm



Power by Linear™ PMIC Module

This PMIC power module supports single to quad core variants of i.MX6 and is based on the NOVPEK™i.MX6x board. It has two modes of operation:

- LDO1 is always ON to support an external +3.3V µController to allow customised start-up sequences for low volume customer use.
- Pin selectable options to support powering the i.MX6 domains directly via hardware control without the need for an external µController.
- Input supply voltage range up to +5.5V for USB applications.
- 4 DC/DC and 4 LDO regulators with a total ~9 A capability.
- Two LT3676 version with and without VTT switcher.



NovTech Services:

- Design and prototype of add-on boards with four to six weeks lead time
- Customization of the base-board to customer requirements
- Design and prototype of a custom single board solution
- OS porting and device driver development (Linux, Android)
- Customization of NovTech highly integrated Power Management solution

For NOVPEK™i.MX6x
pricing and availability, contact
NovTech at (954) 341-3320, info@novtech.com

NovTech is a recognized third party and partner with some of the leading IC manufacturers and CAD companies

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