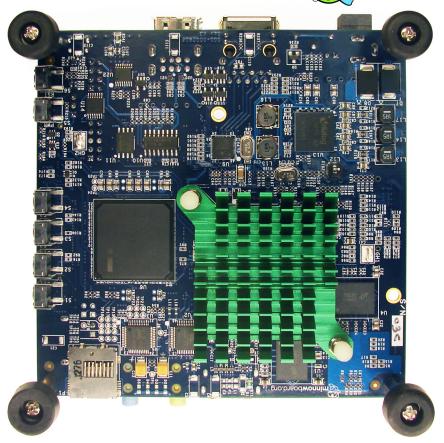
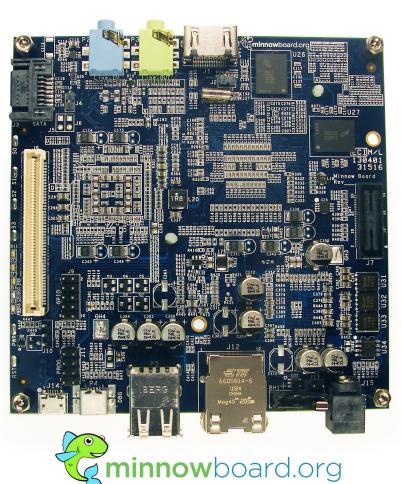
gro.breodwonnim







The MinnowBoard is an Intel® Atom™ processor based board which introduces Intel® Architecture to the small and low cost embedded market for the developer and maker community, It has exceptional performance, flexibility, openness and standards.

Performance

- Intel® Atom™ CPU with Hyper-Threading and Virtualization Technology
- $rac{\partial f}{\partial t}$ Integrated IntelealGraphics Media Accelerator (GMA) 600
- 7 Generous I/O
 - PCI Express
 - SATA2 3Gb/sec
 - Gigabit Ethernet
 - SDIO

Flexibility

- 餐 Affordable Intel® Atom™ Platform
- 7 Scales up to Higher Workloads
- 🖑 Small Form Factor
- Extensive Firmware **Capabilities**
- 🦑 Expandability via MinnowBoard Lures

Openness

- Open Source Hardware Platform
- Customizations possible without signing NDAs
- 🧽 Open Source Ångström Linux Distribution
- 役 Open Source **MinnowBoard** Lure Designs

Standards

- 7 x86 compatibility
- 🦑 PCI Express, SATA, USB - PC Architecture Standards
- 🧽 SPI, I2C, CAN, GPIO Embedded System Standards
- 🤗 Ångström Linux Distribution (Yocto Project Compatible)
- 🖑 UEFI firmware
- ACPI 5.0

CUEFI firmware with Fast Boot

Technical Features

Intel® Atom™ E640 (IGHz, 32 bit) **Processor**

System Memory

System Firmware Memory

Experimenter Features

System Operating System

Video Audio

Software

I/O

EG20T Intel® Platform Controller Hub

Integrated Intel® Graphics Media Accelerator (GMA) 600

I GB DDR2 RAM

4 MB SPI Flash DVI via HDMI

Analog

I micro SD

SATA2 3Gb/sec 2 USB Hosts

I USB Device (micro USB-B port)

I Debug Serial to USB conversion (mini USB-B port)

10/100/1000 Ethernet

8 Buffered GPIO pins

2 Experimenter GPIO controlled LEDs

4 Experimenter GPIO switches

System Firmware Flash Programming header (Dedi-Prog compatible)

All software will be provided in image and Open Source form Ångström Linux Distribution (Yocto Project v1.3 Compatible)

UEFI Firmware with Fast Boot capability

System Boot Firmware Coming Spring 2013

Visit minnowboard.org to be kept up to date on the production release. Features may change without notice. Last updated on 04/17/13 at 09:15 AM.