# Freescale i.MX51 EVK Board Support Package#

This BSP supports the Freescale i.MX51 EVK board.

## Releases#

### QNX Neutrino 6.5.0 SP1#

| Date | Version | Prerequisites | Installation Notes | Release Notes | License(s) | Support | Provider | Download |
|---|---|---|---|---|---|---|---|---|
| September 09, 2013, 2013 | 6.5.0 SP1 | QNX Momentics 6.5.0 SP1 | 6.5.0 Generic Notes | here | QDL and Apache II | Experimental | QNX | Project Downloads |

## Bootloader module#

Click **here** to download the Redboot Bootloader for the Freescale i.MX51 EVK.

## QNX Neutrino 6.5.0 SP1 Change History#

September 09, 2013

- updated to include prebuilt version of libetfs.a, which includes updates to support latest ETFS (NAND) driver features

August 02, 2013

- Added Touch screen driver to BSP, updated BSP documentation with information on touch driver usage

July 29, 2013

- Added prebuilt binary of 'update_nand' utility, for writing binaries to raw NAND partition, updated BSP documentation to PDF format

June 20, 2013

- Added NAND driver

April 1, 2013

- Initial post of SP1 version of BSP

### QNX Neutrino 6.5.0#

| Date | Version | Prerequisites | Installation Notes | Release Notes | License(s) | Support | Provider | Download |
|---|---|---|---|---|---|---|---|---|
| **latest** | trunk | QNX Momentics 6.5.0 | 6.5.0 Generic Notes | here | QDL and Apache II | Experimental | QNX | Project Downloads |

### QNX Neutrino 6.4.1#

| Date | Version | Prerequisites | Installation Notes | Release Notes | License(s) | Support | Provider | Download |
|---|---|---|---|---|---|---|---|---|
| **latest** | trunk | QNX Momentics 6.4.1 | 6.4.1 Generic Notes | here | QDL and Apache II | Experimental | QNX | Project Downloads |

## Features#

| Feature | Planned Availability | Format | Notes |
|---|---|---|---|
| Startup | Completed | SRC | . |
| Serial | Completed | SRC | UART devices on RS-232 port 0 |
| Ethernet | Completed | SRC | MX51 Fast Ethernet Controller (FEC) |
| SD | Completed | SRC | . |
| I2C | Completed | SRC | I2C Controller |
| SPI | Completed | SRC | SPI controller |
| Enhanced SPI | Completed | SRC | Enhanced SPI controllers |
| WDT | Completed | SRC | |
| NAND | Completed | SRC | |
| Touch | Completed | SRC | QNX Screen support only |
| USB Host | Completed | BIN | Host1 with 7-port Hub (EHCI) |
| Audio | Completed | SRC | |
| Graphics | Completed | SRC | MX51 graphics controller driver for Graphic Framework (GF) |
| DMA | Completed | SRC | Includes library also included in BIN form |

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*Search Keywords: mx, i.mx, .mx51, evk, Freescale, MX, i.MX, .MX51, EVK, Babbage*