

# Freescal*e* i.MX51 EVK Board Support Package#

This BSP supports the Freescal*e* i.MX51 EVK board.

## Releases#

### QNX Neutrino 6.5.0 SP1#

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

## Bootloader module#

Click [here](#) to download the Redboot Bootloader for the Freescal*e* 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        | <a href="#">License(s)</a> | <a href="#">Support</a> | Provider | Download                          |
|--------|---------|---------------------|-------------------------------------|----------------------|----------------------------|-------------------------|----------|-----------------------------------|
| latest | trunk   | QNX Momentics 6.5.0 | <a href="#">6.5.0 Generic Notes</a> | <a href="#">here</a> | QDL and Apache II          | Experimental            | QNX      | <a href="#">Project Downloads</a> |

## QNX Neutrino 6.4.1#

| Date   | Version | Prerequisites       | Installation Notes                  | Release Notes        | <a href="#">License(s)</a> | <a href="#">Support</a> | Provider | Download                          |
|--------|---------|---------------------|-------------------------------------|----------------------|----------------------------|-------------------------|----------|-----------------------------------|
| latest | trunk   | QNX Momentics 6.4.1 | <a href="#">6.4.1 Generic Notes</a> | <a href="#">here</a> | QDL and Apache II          | Experimental            | QNX      | <a href="#">Project Downloads</a> |

## 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                 |