

# Freescale/Boundary Devices i.MX6Q Nitrogen6x Board Support Package#

This BSP supports the Boundary Devices i.MX6Q Nitrogen6x board. It requires that QNX Momentics 6.5.0 SP1 is installed.

## Releases#

### QNX Neutrino 6.5.0 SP1#

| Date       | Version   | Prerequisites           | Installation Notes                  | Release Notes        | License(s)        | Status       | Provider | Download                          |
|------------|-----------|-------------------------|-------------------------------------|----------------------|-------------------|--------------|----------|-----------------------------------|
| 2013-08-06 | 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 | MPC Data | <a href="#">Project Downloads</a> |

## DVFS Manager#

Click [here](#) to download the DVFS Manager and Client for armle-v7 [SoCs](#) - Note: updated kernel/libc patch required for DVFS support, get it [here](#) )

## Features#

| Feature       | Planned Availability | Format | Notes   |
|---------------|----------------------|--------|---|
| IPL           | Completed            | SRC    |   |
| Startup       | Completed            | SRC    |   |
| Serial        | Completed            | SRC    |   |
| DMA library   | Completed            | SRC    |   |
| Ethernet      | Completed            | SRC    |   |
| SD            | Completed            | SRC    |   |
| SPI NOR flash | Completed            | SRC    |   |
| SATA          | Completed            | BIN    |   |
| I2C           | Completed            | SRC    |   |
| SPI           | Completed            | SRC    |   |
| WDT           | Completed            | SRC    |   |
| USB           | Completed            | BIN    |   |
| CAN           | Completed            | SRC    |   |
| Audio         | Completed            | SRC    |   |
| Touch         | Completed            | SRC    |   |
| Graphics      | Completed            |        | Available separately; contact your sales rep. for additional info |

## QNX Neutrino 6.5.0 SP1 Change History#

### **Release 1.3.0#**

- Fix for CAN pinmux init issue

### **Release 1.2.0#**

- Fix UART 1 RX data issue

### **Release 1.1.0#**

- Screen driver removed from the BSP archive, and touchscreen driver updated with new calibration file - December 20, 2012

### **Release 1.0.0#**

- Initial post of the i.MX6x Nitrogen BSP - September 7, 2012

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*Search Keywords: mx, i.mx, .mx61, .mx6Q Nitrogen, Nitrogen6x, Freescale, MX, i.MX, .MX61, .MX6x, .MX6Q*