

# TI Jacinto 6 DRA74x EVM Board Support Package#

This BSP supports the TI Jacinto 6 / DRA74x EVM Board.

## Releases#

**Updated!** QNX Neutrino 6.6.0 BSP#

| Date       | Version | Prerequisites | User Guide           | Release Notes                              | License(s) | Support      | Provider | Latest Version                               |
|------------|---------|---------------|----------------------|--------------------------------------------|------------|--------------|----------|----------------------------------------------|
| 2016-11-23 | 6.6.0   | QNX SDP 6.6.0 | <a href="#">here</a> | <a href="#">QNX SDP 6.6 BSP notes here</a> | Apache II  | Experimental | QNX      | 2016-11-23 - Build #156 <a href="#">here</a> |

## Bootloader modules#

Click [here](#) to download the MLO and u-boot binaries for this board. These custom binaries boot the OS from an SD card.

## WIFI Driver#

## TI Wilink 8 Wifi Support For 6.6.0#

Click [here](#) to download the Wilink8 driver and documents which describe how to verify Wifi on the TI Jacinto6 DRA74x EVM.

## TI SYSlink Configuration Guide#

Click [here](#) For information about configuring the link between the DRA74x and the TI DSP.

## Features#

| Feature             | Planned Availability | Format | Notes                                                 |
|---------------------|----------------------|--------|-------------------------------------------------------|
| IPL                 | Completed            | SRC    |                                                       |
| Startup             | Completed            | SRC    |                                                       |
| Serial              | Completed            | SRC    |                                                       |
| I2C                 | Completed            | SRC    |                                                       |
| SPI                 | Completed            | SRC    |                                                       |
| USB XHCI Host       | Completed            | BIN    | No auto OTG functionality. Run with Host USB stack    |
| USB XHCI OTG Device | Completed            | SRC    | No auto OTG functionality. Run with Device USB stack. |
| Ethernet            | Completed            | SRC    |                                                       |
| RTC                 | Completed            | SRC    |                                                       |

|                |           |               |                                          |
|----------------|-----------|---------------|------------------------------------------|
| SD/MMC         | Completed | SRC           |                                          |
| SATA           | Completed | BIN           |                                          |
| Audio          | Completed | SRC           |                                          |
| QSPI NOR Flash | Completed | SRC           |                                          |
| SLC NAND       | Completed | SRC           | ETFS filesystem                          |
| Touch Screen   | Completed | SRC           |                                          |
| wifi           | Completed | BIN           |                                          |
| TI SYSlink     | Supported | Documentation | Configuration Guide <a href="#">here</a> |
| Graphics       | Completed | SRC           |                                          |
| Video Capture  | Completed | BIN           | see separate package. TVP 5158           |

## QNX Neutrino 6.6.0 Change History#

### November 23, 2016#

- Latest experimental version, supports USB boot and fastboot options

### March 24, 2016#

- Latest version, contains updates for touch screen and network driver support for latest rev. G and rev. H hardware

### April 9, 2015#

- Latest validated version posted, corresponding to release of QNX Wireless Framework 1.0

### January 29, 2015#

- Latest experimental version posted

### June 2, 2014#

- Initial post

## QNX Neutrino 6.5.0 Service Pack 1 BSP#

| Date                          | Version   | Prerequisites           | User Guide           | Release Notes        | <a href="#">License(s)</a> | <a href="#">Support</a> | Provider | BSP                  |
|-------------------------------|-----------|-------------------------|----------------------|----------------------|----------------------------|-------------------------|----------|----------------------|
| 2016-05-06<br><b>Updated!</b> | 6.5.0 SP1 | QNX Momentics 6.5.0 SP1 | <a href="#">here</a> | <a href="#">here</a> | Apache II                  | Experimental            | QNX      | <a href="#">here</a> |

## Required Patches (6.5.0 SP1 ONLY - patches not required for SDP 6.6 version)#

Click [here](#) to download the kernel and libc patch containing support of ARM Cortex A15 core.

## DVFS Manager (6.5.0 SP1 ONLY - patches not required for SDP 6.6 version)#

Click [here](#) to download the DVFS Manager and Client for armle-v7 [SoCs](#)

## QNX Neutrino 6.5.0 Change History<#>

### May 6, 2016<#>

- latest build, incorporating support for Screen patch for 6.5.0 SP1

### December 17, 2015<#>

- latest build, incorporating various updates

### June 2, 2014<#>

- Initial post

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*Search Keywords: jacinto, jacinto6, dra74x, j6, ti, Texas Instruments, JACINTO, DRA74X, TI*