TI OMAP 4430 Panda / 4460 Panda ES Board Support Package#

This BSP supports the TI OMAP 4430 Panda Board and the TI OMAP 4460 Panda ES board.

Releases#

New! QNX Neutrino 6.6.0 BSP#

Date	Version	Prerequisites	User Guide	Release Notes	License(s)	Support	Provider	BSP
2014-02-28	6.6.0	QNX SDP 6.6.0	here	here	Apache II	QNX	QNX	here

QNX Neutrino 6.5.0 Service Pack 1#

Date	Version	Prerequisites	Installation Notes	Release Notes	License(s)	Support	Provider	Download
2013-09-16	6.5.0 SP1	QNX Momentics 6.5.0 SP1	6.5.0 Generic Notes	here	Apache II	Experimenta	QNX	Project Downloads

Bootloader modules#

Click on the links to download MLO and U-BOOT.BIN

WIFI Driver#

Click here to download the WIFI driver, associated files, and instructions.

Features#

Feature	Planned Availability	Format	Notes
IPL	Completed	SRC	
Startup	Completed	SRC	
Serial	Completed	SRC	
I2C	Completed	SRC	
SPI	Completed	SRC	
USB EHCI Host	Completed	BIN	
USB OTG Host	Completed	BIN	USB-OTG as Host
Ethernet	Completed	BIN	
RTC	Completed	SRC	
PMIC	Completed	SRC	
SD/MMC	Completed	SRC	
Audio	Completed	SRC	
wifi	Completed	BIN	

TI SYSlink	contact TI			
Graphics	Completed	SRC	for QNX 6.5.0 SP1 graphics support, contact sales	

QNX Neutrino 6.6.0 Change History#

February 28, 2014#

- Initial post

QNX Neutrino 6.5.0 Change History#

Release 1.00#

- Initial post

October 7, 2011#

Milestone 2 (added IPL and audio, updated release notes)

December 8, 2011#

Milestone 3:

- IPL updated to properly support full 1 gigabyte DRAM
- support for native Cortex A8 cached page table entries
- added serial HCI support
- fixed issue with IPL not importing / building correctly in IDE
- fixed issue with board hangs when io-pkt is slayed
- updated release notes
- removed custom binaries for io-pkt and libc from BSP (stock QNX 6.5.0 versions can now be used)

January 9, 2012#

Milestone 3 updated to support Pandaboard Rev. A4 (with Silicon rev. ES2.3): new MLO, U-Boot.bin, and updates to IPL and Startup code to recognize this silicon version

February 7, 2012#

Fix for audio playback issue with new MLO for rev. A4

March 8, 2012#

updated to allow booting with Pandaboard-ES (with OMAP4460 SoC) - more Pandaboard-ES support to be added in next release

April 13, 2012#

Additional enhancements to better support Pandaboard-ES (OMAP4460), including fixes for core clock detection/operation

June 13, 2012#

Updates for better thermal management, clocking fixes, and fixes for boot issues with some earlier Panda board revisions

July 3, 2012#

additional fix for stability issue with some rev. A3 boards, unified BSP version now supports both QNX 6.5.0 and QNX 6.5.0 SP1 (6.5.0 SP1 GA kernel binaries are included with BSP, for pre-SP1 environments)

November 7, 2012#

- the IPL source code has been updated for faster loading of the QNX IFS image from SD card
- the BSP build file has been updated for better automatic network detection/connection when booting
- the BSP is now SP1 only; a QNX Momentics 6.5.0 SP1 host environment **must** be used with this BSP
- the U-Boot binary included with the BSP is pre-configured to search for the file 'ifs-omap4430-panda.bin' on the SD card; the user no longer needs to manually configure u-boot
- the BSP release notes have been updated to clarify the usage of the IPL instead of U-Boot, plus several other release note fixes and updates
- the IPL no longer prompts the user to press a key to load the IFS, and instead boots automatically

August 6, 2013#

- various stability updates and boot time optimizations

September 16, 2013#

- fixed issue with IDE import not working correctly

December 19, 2013#

- add support for Panda rev. A6
- add 'omap4-dieid' utility to generate a unique MAC address for each board, based on silicon die ID

Search Keywords: omap, omap4430, panda, pandaboard, Panda, Pandaboard, ti, Texas Instruments, OMAP, OMAP4430, TI