

x86 BIOS/APIC Board Support Package#

The purpose of this BSP is to provide source code for the most common x86 drivers necessary to boot QNX Neutrino on x86 boards that have a BIOS, for both legacy and APIC based systems.

Features#

| Feature | Availability | Format |
|----------------|--------------|--------|
| startup-bios | Completed | SRC |
| startup-apic | Completed | SRC |
| pci-bios | Completed | SRC |
| pci-bios-v2 | Completed | SRC |
| Intel HD Audio | Completed | SRC |
| Serial | Completed | SRC |
| Ethernet | Completed | SRC |

New! QNX Neutrino 6.6.0 BSP#

| Date | Version | Prerequisite | User Guide | Release Notes | License(s) | Support | Provider | BSP |
|------------|---------|---------------|----------------------|----------------------|------------|---------|----------|----------------------|
| 2016-11-03 | 6.6.0 | QNX SDP 6.6.0 | here | here | Apache II | QNX | QNX | here |

Click [here](#) to download the VMware runtime ISO image, which can be used for initializing a boot device using native QNX tools.

QNX Neutrino 6.6.0 Change History#

November 3, 2016#

- replaced stand-alone libnetdrvr PSP with 'PATCHES' archive containing all necessary patches
- added latest net-core PSP to PATCHES archive for core networking components
- updated libnetdrvr PSP within PATCHES archive to match net-core PSP version

May 17, 2016#

- added support for Intel Skylake processors
- posted libnetdrvr patch (must be applied to BSP /prebuilt directory, prior to building BSP) for proper e1000 network driver operation

August 19, 2015#

- includes latest versions (with source code) of:
 - startup-apic
 - startup-bios
 - libstartup (x86)
 - devc-ser8250
 - deva-ctrl-intel_hda.so
 - deva-mixer-hda.so
 - pci-bios
 - pci-bios-v2
 - devnp-e1000.so

- build file updates support remote login (ftp, telnet, etc.)
- startup-apic / pci-bios-v2 are now used by default

October 17, 2014#

- additional updates for Intel HD audio support

June 26, 2014#

- various updates, added Intel HD Audio driver

February 28, 2014#

- Initial post

Releases#

Updated! QNX Neutrino 6.5.0 SP1 BSP#

| Date | Version | Prerequisites | User Guide | Release Notes | License(s) | Support | Provider | BSP |
|------------|-----------|-------------------------|----------------------|----------------------|------------|---------|----------|----------------------|
| 2017-01-12 | 6.5.0 SP1 | QNX Momentics 6.5.0 SP1 | Here | here | Apache II | QNX | QNX | Here |

QNX Neutrino 6.5.0 Change History#

January 12, 2017#

- incorporated latest PSPs for kernel/libc, networking, USB, and audio into the BSP

April 27, 2016#

- Now supports the ADI RCC: Atom C2000 (Rangeley Communications Collateral) Platform

January 20, 2015#

- Updated default address for IFS in DRAM, to avoid issues with de-compression of larger IFS images

November 26, 2015#

- includes latest versions (with source code) of:
 - startup-apic
 - startup-bios
 - libstartup (x86)
 - devc-ser8250
 - deva-ctrl-intel_hda.so
 - deva-mixer-hda.so
 - pci-bios
 - pci-bios-v2
 - devnp-e1000.so

- build file updates support remote login (ftp, telnet, etc.)
- startup-apic / pci-bios-v2 are now used by default

October 17, 2014#

- additional updates for Intel HD audio support

June 23, 2014#

- Added support for Intel HDMI audio codec

April 03, 2014#

- PCI server option (-T) added to enable work-around for Intel E6xx Errata B150 (Clearing PCIe Root Port's BME Bit With Pending Upstream Traffic Will Cause Internal Bus to Hang (ref. Intel document 324209-016))

March 17, 2014#

- PCI server fixes for properly displaying number of allocated MSI interrupts

October 30, 2013#

- includes latest updates to startup library, PCI/PCIe server code

November 26, 2012#

- Updated to 6.5.0 SP1, now contains e1000 network driver source

November 2011#

- original version