

Xilinx Zynq7000 ZC702 EVM Board Support Package#

This BSP supports the Xilinx Zynq7000 All Programmable [SoC](#), on the Xilinx ZC702 Evaluation Kit.

Releases#

Updated! QNX Neutrino 6.6.0 BSP#

| Date | Version | Prerequisites | User Guide | License(s) | Support | Provider | BSP |
|------------|---------|---------------|----------------------|------------|--------------|----------|----------------------|
| 2018-01-11 | 6.6.0 | QNX SDP 6.6.0 | here | Apache II | Experimental | QNX | here |

Features#

| Feature | Planned Availability | Format | Notes |
|----------------|----------------------|--------|-------|
| IPL | Completed | SRC | |
| Startup | Completed | SRC | |
| Serial | Completed | SRC | |
| I2C | Completed | SRC | |
| SPI | Completed | SRC | |
| CAN | Completed | SRC | |
| QSPI NOR flash | Completed | SRC | |
| USB EHCI Host | Completed | BIN | |
| Ethernet | Completed | SRC | |
| RTC | Completed | SRC | |
| SD/MMC | Completed | SRC | |
| FPGA utility | Completed | SRC | |
| XADC utility | Completed | SRC | |
| OCM utility | Completed | SRC | |
| GPIO library | Completed | SRC | |
| DMA library | Completed | SRC | |

QNX Neutrino SDP 6.6 Change History#

January 11, 2018#

- SDMMC: updated driver to new devb-sdmmc framework
- Networking: added getmac-i2c utility to read Ethernet MAC from I2C EEPROM. Removed MAC address spoofing when EEPROM read fails.
- QSPI-Flash: Errata AR# 47575 fix. Support for 4-byte addressing
- UART: support for multiple interfaces
- I2C: fixed i2c send issue, fixed clock issue
- SPI: fixed Chip Select behavior
- GPIO Lib: various bug fixes

August 20, 2014#

- initial post

QNX Neutrino 6.5.0 Service Pack 1 BSP#

| Date | Version | Prerequisites | User Guide | License(s) | Support | Provider | BSP |
|-------------|----------------|-------------------------|----------------------|-------------------|----------------|-----------------|----------------------|
| 2014-08-18 | 6.5.0 SP1 | QNX Momentics 6.5.0 SP1 | here | Apache II | Experimental | QNX / Adeneo | here |

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QNX Neutrino 6.5.0 SP1 Change History#

August 18, 2014#

- updated GIC interrupt callout included in BSP, to reduce potential interrupt latency

January 24, 2014#

- include prebuilt boot.bif and fsbl.elf in BSP
- documentation updates to clarify process for building IPL binary with different versions of Xilinx tools
- minor fix for an incorrect #define in the startup code

June 14, 2013#

- add QSPI NOR flash driver source and DMA Library source
- fix for [ClockPeriod\(\)](#) issue (use global timer)
- fix for [ClockCycles\(\)](#) issue

- update to enable FPGA access after FPGA is programmed

May 15, 2013#

- update to address minor issues:
 - don't start watchdog timer by default in build file
 - include pre-built DMA library
 - remove duplicate wdtkick utility

May 14, 2013#

Release 1.00#

- Initial post

Search Keywords: xilinx, zynq, zynq-7000, zynq7000, zc702, zc706, AP [SoC](#), arm, cortex-a9, fpga