Freescale MPC5121e ADS Board Support Package#

This BSP supports the Freescale MPC5121e ADS board.

Releases#

QNX Neutrino 6.4.0#

Date	Version	Prerequisites	Installation Notes	Release Notes	License(s)	Support	Provider	Download	Source Tag	Kernel Benchmark
Latest	trunk	QNX Momentics 6.4.0	6.4.0 Generic Notes	here	QDL and Apache II	Experimental	QNX	Project Downloads	**Coming Soon**	
2008-11-07	7.0.0	QNX Momentics 6.4.0	6.4.0 Generic Notes	here	Apache II	QNX	QNX	Project Downloads	**Coming Soon**	Benchmark Downloads

QNX Neutrino 6.3.2#

Date	Version	Prerequisites	Installation Notes	Release Notes	License(s)	Support	Provider	Download	Source Tag
2008-12-19	1.1.0 (20081219)	QNX Momentics 6.3.x SP3 or later	6.3.2 Generic Notes	included in archive	QDL and Apache II	QNX	QNX	Project Downloads	none
2008-10-08	1.0.0	QNX Momentics 6.3.x SP3 or later	6.3.2 Generic Notes	here	QDL and Apache II	QNX	QNX	QNX Download Center	none
2008-09-17	1.0.0 (20080917)	QNX Momentics 6.3.x SP3 or later	6.3.2 Generic Notes	included in archive	QDL and Apache II	Experimental	QNX	Project Downloads	none
2008-06-30	1.0.0 (20080630)	QNX Momentics 6.3.x SP3 or later	6.3.2 Generic Notes	included in archive	QDL and Apache II	Experimental	QNX	Project Downloads	none

Features#

Feature	Planned Availability	Format	Notes
Audio	Completed	SRC	AC97
CAN	Completed	SRC	.
DMA	Completed	SRC	.
EIDE	Completed	BIN	.
Ethernet	Completed	SRC	.
Graphics	Completed	BIN	.

I2C	Completed	SRC	.
IPL	Oct/08	SRC	.
NAND	Completed	SRC	.
NOR	Completed	SRC	.
EIDE	Completed (PIO) Oct/08 (DMA)	SRC	.
PCI	Completed	SRC	.
PCIe	Completed	SRC	.
Serial	Completed	SRC	.
SPI	Completed	SRC	.
Startup	Completed	SRC	.
RTC	Completed	SRC	.
USB	Completed	BIN	.

Some of these drivers are commented out in the default buildfile. To use the drivers in the target hardware, you'll need to uncomment them in your buildfile, rebuild the image, and load the image into the board.

QNX Neutrino 6.4.0 Change History#

Trunk#

- Same as QNX Neutrino 6.4.0 BSP for Freescale MPC 5121e ADS 1.0.0

1.0.0#

- Created from QNX Neutrino 6.3.2 BSP for Freescale MPC 5121e ADS 1.0.0

QNX Neutrino 6.3.2 Change History#

1.0.0#

- Bug fixes
  - Fixes major issues with USB

1.0.0 (20080917)#

- Release for silicon rev.2, board rev.3.5@rev.4
- Bug fixes
- Updated for silicon rev.2 - not compatible with previous silicon revisions
  - Audio
  - EIDE (PIO mode)
  - Graphics
  - I2S
  - USB (EHCI)

1.0.0 (20080630)#

- Initial release under Apache II and QDL for silicon rev.1, board rev.2c @ rev.3.2
- Includes:
  - Audio

    - CAN driver
    - DMA
    - I2C driver
    - I2S audio driver
    - NAND flash driver
    - Network driver
    - NOR flash driver
    - PCI driver
    - RTC utility
    - Serial driver
    - SPI driver
    - Startup

1.1.0 #

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    - IPL (It is designed for ads5121e rev 4.0 board and may does not work well on the board early than rev4.0)
    - EIDE
    - USB Device Controller
- Notes:
    - To recover the U-boot by using the back up FLASH, Please install the jumper on P4. When this jumper is installed powering the ADS512101 will launch U-Boot in a protected back up FLASH and reinstall U-Boot to main FLASH.
    - There is a problem with the IDE interface related to the board layout and work is in progress to get a workaround.

Search Keywords: mpc, mpc5121, ads, Freescale, MPC, MPC5121, ADS