Freescale i.MX31 ADS Board Support Package#

This BSP supports the Freescale i.MX31 ADS board.

Releases#

QNX Neutrino 6.4.0#

Date	Version	Prerequisites	Installation Notes	Release Notes	License(s)	Support	Provider	Download	Kernel Benchmark
Latest	trunk	QNX Momentics 6.4.0	6.4.0 Generic Notes	here	QDL and Apache II	Experimental	QNX	Project Downloads	http://community.qnx.c svn/repos/ bsp/tags/ public/ bsp/ nto640/ freescale_i.mx31 latest
_2008-11-07	7.0.0	QNX Momentics 6.4.0	6.4.0 Generic Notes	here	QDL and Apache II	QNX	QNX	Project Downloads	Benchmark Downloads

QNX Neutrino 6.3.2#

Date	Version	Prerequisites	Installation Notes	Release Notes	License(s)	Support	Provider	Download
2007-12-21	1.1.0	QNX Momentics 6.3.x SP3 or later + AGTDK	6.3.2 Generic Notes	here	Apache II	Experimental	QNX	Project Downloads
2007-09-12	1.0.0	QNX Momentics 6.3.x SP2 or later + AGTDK + latest Character DDK	6.3.2 Generic Notes	here	MEULA and Apache II	QNX	QNX	QNX Download Center

Features#

Feature	Planned Availability	Format	Notes
Audio	Completed	SRC	MC13783 stereo DAC
DMA	Completed	SRC	Includes utility, library also included in BIN form

EIDE/SATA	Completed	BIN	On-board ATA controller
Ethernet	Completed	SRC	10 BaseT Ethernet controller: Crystal LAN CS8900A
Graphics / Video Acceleration	Completed	BIN	On-board graphics controller driver for Graphic Framework (GF)
I2C	Completed	SRC	MX31 I2C manager. Master library also included in BIN form
NAND	Completed	SRC	Saumsung NAND Flash: 128 MB NAND flash (K9K1G08U)
NOR	Completed	SRC	Spansion Flash: 32 MB burst flash (71WS256N)
Serial	Completed	SRC	On-board UART: MX31 UART
SPI	Completed	SRC	MX31 SPI master controller
Startup	Completed	SRC	.
USB Host	Completed	BIN	host1/host2 (EHCI)

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 Change History#

Trunk#

- Same as QNX Neutrino 6.4.0 BSP for Freescale i.MX31 ADS 1.0.0

1.0.0#

- Created from QNX Neutrino 6.3.2 BSP for Freescale i.MX31 ADS 1.1.0
- Built using the latest 6.4.0 toolchain
- Support for ARM11 enabled procnto
- Level 2 cache support
- Support for the 800x480 Sharp panel to be integrated with latest acceleration improvements
- Various graphics fixes
- The serial driver supports the software flow control

QNX Neutrino 6.3.2 Change History#

1.1.0#

- Support for DMA

1.0.0#

- Initial release under Apache II

- Includes:
  - Audio
  - Graphics
  - I2C
  - Serial
  - SPI
  - Startup
  - USB Host

Search Keywords: mx, i.mx, .mx31, ads, Freescale, MX, i.MX, .MX31, ADS