

Please note: Not all of the versions listed have been released or are planned for release.



IO-Link Master U-Boot Bootloader History (1800413)

Revision: 1.30

What Changed: Add new model support.

Add "eth_led_config" serial flash tag/env-variable [tag 34] that controls how the KSZ8863 LED pins are configured..

Date: 03/20/19

Revision: 1.29

What Changed: Fix a bug in serial flash erase function.

Date: 03/14/19

Revision: 1.28

What Changed: Updated so that at startup, the Micron internal ECC in whatever state it was left by the bootstrap.

Add Winbond to the supported NAND flash manufacturer ID list..

Date: 03/12/19

Revision: 1.27

What Changed: Add read/write spi serial flash support to tftp server, which allows bootstrap to be updated via u-boot.

Date: 02/27/19

Revision: 1.26

What Changed: Add support for Micron internal 4-bit hardware ECC.

Add 'nandecc' command that allows user to show/enable/disable the 4-bit HW ECC support feature.

Date: 02/27/19

Revision: 1.25

What Changed: Add special environment variables 'ethport1mac' and 'ethport2mac' that are controlled by serial-flash tags.

Date: 09/14/18

Revision: 1.24

What Changed: Turn on both red and green LED of the MS and NS status LEDs after programming FPGA on all models.

Add special environment variables for new models that are controlled by serial-flash tags..

Date: 08/17/18

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Revision: 1.23

What Changed: Fix progfpga command to prevent the unit from booting into Linux without a programmed FPGA.

Date: 07/26/17

Revision: 1.22

What Changed: Change serial flash handling to provide a default values for application flags

Date: 06/30/17

Revision: 1.21

What Changed: Add special environment variables to support application flags that are controlled by serial-flash tags.

Date: 06/27/17

Revision: 1.20

What Changed: Add / rename a couple of U-Boot environment variables.

Date: 04/12/16

Revision: 1.19

What Changed: When programming FPGA, time out and return error if INIT_B signal does not change to high after one second.

Date: 03/30/16

Revision: 1.18

What Changed: Fix an issue where tail tagging was not correctly enabled after setting rotary switch to 888 on a PNIO 4/8 port IP67 unit.

Date: 01/07/16

Revision: 1.17

What Changed: Add eth_port_swap environment variable that is initialized with value read from serial flash.

Date: 11/13/15

Revision: 1.16

What Changed: Set Ethernet switch LED modes correctly for 8-port IP67 models.

Date: 08/13/15

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Revision: 1.15

What Changed: Change LED config for 4-port models (they only have a single LED, so use combined LINK/ACT mode for them).
Added delays and retries to code that attempts to enable tail tagging mode in the switch.

Date: 07/16/15

Revision: 1.13

What Changed: Remove "Control" string from version reported on console port at boot-up.

Date: 03/25/15

Revision: 1.12

What Changed: Add support for new System Info tags Profinet Product Family.

Date: 03/23/15

Revision: 1.11

What Changed: Add support for a few new System Info tags.

Date: 03/16/15

Revision: 1.10

What Changed: Add support for Micrel KSZ8863 switch on SPI1 CS2.
Configure KSZ8863 for low drive current and separate link status and link activity LEDs.

Date: 03/13/16

Revision: 1.09

What Changed: Add default values for new environment variables used instead of TLA number to determine features.

Date: 03/12/15

Revision: 1.08

What Changed: Add support for KSZ8863 Ethernet switch and enable tail tag mode for PNIO model.

Date: 12/12/14

Revision: 1.07

What Changed: Discovery protocol updates: Check both MAC and serial number in requests. Require either MAC or serial number for requests other than 'discover'.

Date: 12/08/14

Revision: 1.06

What Changed: Fix TFTP server code issues.

Date: 07/29/14

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Revision: 1.05

What Changed: Fix FPGA programming code for PNIO models.
Add support for some new System Info tags.

Date: 07/14/14

Revision: 1.04

What Changed: Add support for forcing KSZ8081 out of factory-test mode on startup.

Date: 06/09/14

Revision: 1.03

What Changed: Reset security engine number generator after programming the FPGA.

Date: 04/25/14

Revision: 1.02

What Changed: Add support for Micrel KSZ8081MLXIA Ethernet PHY for IOLM DR.

Date: 04/09/14

Revision: 1.01

What Changed: Fix an issue where serial number cannot be overwritten once programmed.

Date: 10/16/13

Revision: 1.00

What Changed: Initial Release.

Date: 04/19/13