

Release note for boot loader 04_08

Introduction

This is the release note for the DKTCOMEGA CPE 796xx boot loader. Special precaution must be taken into account when performing the upgrade, please refer to the instruction guide available on www.dktcomega.com -> support -> firmware

Please contact jb@dktcomega.com for questions or concerns.

Changes in firmware

2015-02-02

DKT_bboot_v04_08

- Fixed DHCP client (not conforming to RFC 2131)
 - DHCP-REQUEST must have source IP address set to 0
 - DHCP-RELEASE must not include options 60, 55 and more other options.
- Fixed board revision detection (and printout).
- If Linux firmware CRC is wrong, then DHCP vendor class identifier is set to DKT_BF_firstboot, so we can trigger the system to reprogram firmware to the board on next reboot.

2012-12-05

DKT_bboot_v04_06

- Further optimization of flash erase/write routine

2012-08-20

DKT_bboot_v04_05

- Optimizing flash erase/write routine

2012-08-17

DKT_bboot_v04_04

- Added support for RJ45 WAN port, this bootloader cannot be downgraded to bootloader version 4.03 or lower (if hardware support level is lower than 3). Boards with fiber WAN port can be downgraded to version 4.03.

- Initialize all PHY and port registers at startup: E- and ingress-rate limitation, VLAN setup, ATU, VTU, QOS, priority, policy, flow control, counters, LED, filtering, snooping, trunk, learning, auto negotiation, port speed

2012-01-04

DKT_bboot_v04_03

Generic

- Added support for 8-port platform.
- Added support for WiFi module (use cable interconnect on revision 0 boards and force enable wifi in U-boot).
- Added feature to disable console input/output. If WiFi present, then console is disabled in Linux.
- On boot, 802.1q-mode is disabled to reset VLANs.
- Jumbo frame mode is enabled per default.
- Fixed source command, so it also returns OK when DHCP did not get any bootfile and boot_if_no_server=1.
- Added support for WAN port SFP module.

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2011-06-07/KS
Release dkt_boot_04_01

Generic

- Initial release for DKT 796xx series, based on the boot loader 03_xx platform for DKT 792xx, 793xx, 794xx devices.
 - Fixed issue with soft reset; when command "reboot" is executed no switch reset was made. This release will perform a hard reset of the switch engine, in order to ensure that old switch settings are erased at reboot.
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