

This is release notes for  
VxWorks 6.8 / Workbench 3.2 Board Support Package (BSP) for  
Kontron KTGm45 platform.

BSP version R01.04 (13 September 2010)

Limitations:

- only Intel ICH9 TCO Watchdog is supported,  
default Watchdog configurable in BIOS is not supported
- SMBus is not supported
- NVRAM is not supported, no information about NVRAM hardware for this board.

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Changelog:

Changes from R01.03 to R01.04:

- add missing libraries (libkontron\_gnu.a, libkontron\_diab.a, libkontron\_adds.a)

Changes from R01.02 to R01.03:

- halK.c: fix DIAB compilation error
- AHCI driver: corrections to port detection for ICH9M controller  
implement hwconf parameter 'dosFsNaming' to assign DOS like name to partitions  
(C:, D:, ...) - INCLUDE\_AHCI\_DOS\_PARTITION\_NAMING
- implement DMIDecode VxWorks port
- documentation updates (HAL, target\_ref)
- hwConf.c: Change \_WRS\_CONFIG\_SMP to SYMMETRIC\_IO\_MODE to correct initialization of  
IA\_TIMESTAMP in bootloader  
and Uniprocessor mode
- separate driver library (libkontron.a) to GNU and DIAB versions

Changes from R01.01 to R01.02:

- add sysBootLineInit to initialize bootline for VIP (BootApp profile)
- put early call of sysMemTop before pci initialization to avoid spurious MMU error
- close driver sources and make library libkontron.a
- fix CDF definitions for BOOTAPP\_PROFILE image: add list of boot filesystems,  
fix RAM\_HIGH\_ADDR for BOOT\_APP profile, force to include xOAPIC interrupt controllers  
add component to call sysBootLineInit, remove dependency of INCLUDE\_BOOT\_FD\_LOADER
- config.h: add SATA boot example, remove obsolete USB\_KBD defines
- HAL: board info autodetection by DMI, add BIOS information (vendor, revision, date)
- Intel AHCI storage driver: increase stack size in all taskSpawn calls (small stack  
causes system crash at least in tAhciMon task)
- Sensors: vxbSetFanSpeed added, fan speed calculation bug fixed

Changes from R01.00 to R01.01:

- add dhcp configuration for NICs
- add modified PS/2 keyboard driver (fix bug: keyboard is not responded in VIP)
- system memory size autoconfiguration
- AHCI SATA driver updated (remove unnecessary malloc/free)
- remove INCLUDE\_BOOT\_ADDMEM parameter
- RTC: remove unnecessary dependencies
- correct HAL registration

Rename Release 1.0 R3 to R01.00

### Changes from R2a to R3

- updated documentation, move tests to separate folder
- fix diab compile warnings, add dependency of IA\_TIMESTAMP driver to avoid compilation error for PROFDILE\_BOOTAPP, cleanup libkontron.a from some unused drivers
- fix PCI\_ATA driver component dependencies
- sensor description changed
- hal & rtc added
- fan RPM calculation changed
- new Intel TCO watchdog timer driver
- fan max speed bug fixed
- comments for sensor driver added
- added cdf for sensor
- WinBond sensor driver added

### Changes from R2a to R2

- fix problem with diab compilation of Ahci driver, remove PCI\_ATA inclusion by default

### Changes from R2 to R1

n/a