

<http://www.denx.de/wiki/U-Boot/>

U-boot ?bootloader ????,?????. user ??????????. ??FW ??uboot????.
 ?????????????????,????? uboot, ??????uboot ?????.

?? UBoot?? ???? (TTL port)

????/??

1. TTL to USB or COM port ?
2. ??????? Driver (USB to COM)

Orion SoC Nas Serial ???

- speed: 115200
- data bit: 8
- stop bit: 1
- flow control: RTS/CTS
- parity: none

?? U-boot

?? TTL ????????????????????????????????? "Hit any key to stop autoboot"????????????????

```

Netronix
U-Boot
** LOADER **
** MARVELL BOARD: NTX-88F5182-NH233 LE

U-Boot 1.1.1 (Jul 21 2007 - 13:08:28) Marvell version: 1.10.8

DRAM CS[0] base 0x00000000 size 128MB
DRAM Total size 128MB
mv_flash.c: [8192kB88ff800000]
Protect flash from 0xFFFF90000 ~ 0xFFFFFFFF
Flash: 8 MB
Addresses 20M - 0M are saved for the U-Boot usage.
Mem malloc Initialization (20M - 16M): Done

Sec: 88F5182 A2
CPU: ARM926 (Rev 0) running @ 500Mhz
Orion 1 streaming disabled
SysClock = 166Mhz , TClock = 166Mhz

USB 0: host mode
USB 1: host mode
PCI 0: PCI Express Root Complex Interface
PCI 1: Conventional PCI, speed = 33000000
Net: egiga0 [PRIME]
Using 88E1118 phy

Marvell Serial ATA Adapter
Integrated Sata device found
Device 0: OK
Model: Hitachi HDT725032VLA360 Firm: V50KA7QA Ser#:
Type: Hard Disk
Supports 48-bit addressing
Capacity: 305245.3 MB = 298.0 GB (625142448 x 512)

hit any key to switch tftp boot.
Hit any key to stop autoboot: 0
switched to TFTP boot.
bootcmd:[tftp $(default_kernel_addr) $(kernel); tftp $(default_initrd_addr)
lt_kernel_addr) $(default_initrd_addr)]
Hit any key to stop autoboot: 0
Netronix>>

```

U-boot ??? Netronix>> ????

Netronix>> printenv #??uboot????

Netronix>> loady #????? fw image

Netronix>> setenv ip #??uboot ip

Netronix>> setenv serverip #?? Server ip (?NFS or tftp)

Netronix>> tftpboot 0x0800000 xxxx.image # ?0x80000 dram???? tftp server ? xxxx.image

Netronix>> nand erase 0x0 0x60000 # ?? NAND

Netronix>> nand write 0x0800000 0x0 0x60000 #?? NAND

Netronix>> saveenv #??uboot ??

Netronix>> reset #????

Netronix>>help

??uboot ?? uboot ,kernel ,rootfs ????

tftpboot 0x0800000 u-boot.kwb

```
nand erase 0x0 0x60000
nand write 0x0800000 0x0 0x60000
```

```
dhcp 0x2000000 x.x.x.x:sheeva-2.6.37-ulImage
nand erase 0x100000 0x400000
nand write 0x2000000 0x100000 0x400000
```

```
dhcp 0x2000000 x.x.x.x:pwnplug_1.1_Community_ubinized_5-21-2012.img
nand erase 0x500000 0x1fb00000
nand write.e 0x2000000 0x500000 0x14680000 setenv bootargs console=ttyS0,115200
mtdparts=orion_nand:0x400000@0x100000(uImage),0x1fb00000@0x500000(rootfs)
ubi.mtd=1 root=ubi0:rootfs rootfstype=ubifs
setenv bootcmd 'nand read.e 0x800000 0x100000 0x400000; bootm 0x800000'
setenv mainlineLinux yes
setenv arcNumber 2097
```

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- <http://flykof.pixnet.net/blog/post/2...8C%87%E4%BB%A4>
- <http://welkinchen.pixnet.net/blog/po...BB%8B%E7%B4%B9>
- <http://www.360doc.com/content/11/040...07858569.shtml>
- <http://welkinchen.pixnet.net/blog/po...8C%87%E4%BB%A4>
- <http://saekiyoshiyasu.org/wiki/%E7%8E%84%E7%AE%B1PRO>