

??
 ??OS ??

- 3.5" SATA (FW)
- soft raid (mdadm) RAID 0/1/5 JBOD (linear)
- 1000M LAN?
- USB 2.0 + USB + 1 eSATA?
- iTunes UPnP AV?
- BT Downloader P2P? (BUG)
- Samba FTP Web?
- 50?
- 32?
- ?
- MySQL web Server
- ?
- EXT3
- Unicode



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- [Amahi Cloud OS in Orion Nas](#)
- [Custom Kernel](#)
- [JTAG](#)
- [mvBoardEnvSpec.h](#)
- [Raid Mdadm ?](#)
- [U-boot](#)
- [Optware](#)
- [Hardware spec](#)
- [ROOT](#)
- [?](#)

?????
<http://www.eusso.com/Models/NAS/USS4...SS4500-RS4.htm>
 vistor

?? Kurobox PRO ?? Kuro ?????
<http://buffalo.nas-central.org/wiki/KuroBoxPro>

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- CPU : **Marvell 88F5182** 16 500Mhz
- DRAM : DDR2 128 DRAM
- FLASH: 8 MB Nand

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- SAMBA 20 MB /sec
- FTP 20 MB /sec
- ??????,??CPU resources?????

[CPU SPEC PDF](#)

??IP :

IP:192.168.1.2

WEB ID:admin

pass:admin

SSH:admin

pass:admin

\$ cat /proc/cpuinfo

Processor : ARM926EJ-Sid(wb) rev 0 (v5l)

BogoMIPS : 332.59

Features : swp half thumb fastmult

CPU implementer : 0x41

CPU architecture: 5TEJ

CPU variant : 0x0

CPU part : 0x926

CPU revision : 0

Cache type : write-back

Cache clean : cp15 c7 ops

Cache lockdown : format C

Cache format : Harvard

I size : 32768

I assoc : 1

I line length : 32

I sets : 1024

D size : 32768

D assoc : 1

D line length : 32

D sets : 1024

Hardware : MV-88fxx81

Revision : 0000

Serial : 0000000000000000

/lib/libc.so.6 -> info about C library

lsmod -> info about loaded kernel modules

dmesg -> print out the kernel messages since bootup

\$ uname -a

Linux 4Bay-NAS 2.6.12.6-arm1 #1 Tue Dec 18 15:18:13 CST 2007 armv5tejl unknown

\$ cat /proc/mtd

```
mtd0: 00200000 00010000 "Kernel"
mtd1: 00570000 00010000 "File-System"
mtd2: 00010000 00010000 "System-config"
mtd3: 00010000 00010000 "bootloader-config"
mtd4: 00070000 00010000 "Boot-loader"
```

???Flash? share ?????

~~**\$cat /dev/mtd0> /home/share/mtd0.backup**~~

~~**\$cat /dev/mtd1> /home/share/mtd1.backup**~~

~~**\$cat /dev/mtd2> /home/share/mtd2.backup**~~

~~**\$cat /dev/mtd3> /home/share/mtd3.backup**~~

~~**\$cat /dev/mtd4> /home/share/mtd4.backup**~~

? dev ????

\$dd if=/dev/mtd0 of=/home/share/mtd0.backup bs=1k

\$dd if=/dev/mtd_boot_cfg of=/home/share/mtd_boot_cfg.backup bs=1k

\$dd if=/dev/mtd_bootloader of=/home/share/mtd_bootloader.backup bs=1k

\$dd if=/dev/mtd_config of=/home/share/mtd_config.backup bs=1k

\$dd if=/dev/mtd_kernel of=/home/share/mtd_kernel.backup bs=1k

\$dd if=/dev/mtd_ramdisk of=/home/share/mtdramdisk.backup bs=1k

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Firmware ???

- [??????????](#)
- [NAS????????FW 1.2](#)
- [?? 1.3](#)

Firmware ??

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1. ?FW ??? /home/share/fwupdate

debian

<http://www.cyrius.com/debian/orion/buffalo/kuroboxpro/install.html>

<http://hezmatt.org/~mpalmer/blog/2008/10/23/porting-d-i-to-the-dns-323.html>

Freebsd

<http://wiki.freebsd.org/FreeBSDMarvell>

NAS ??timemachine ????

http://buffalo.nas-central.org/wiki/Time_Machine_%26_Time_Capsule_support_on_your_LinkStation

CPU ??

http://storage.it168.com/a2009/0603/...582556_1.shtml

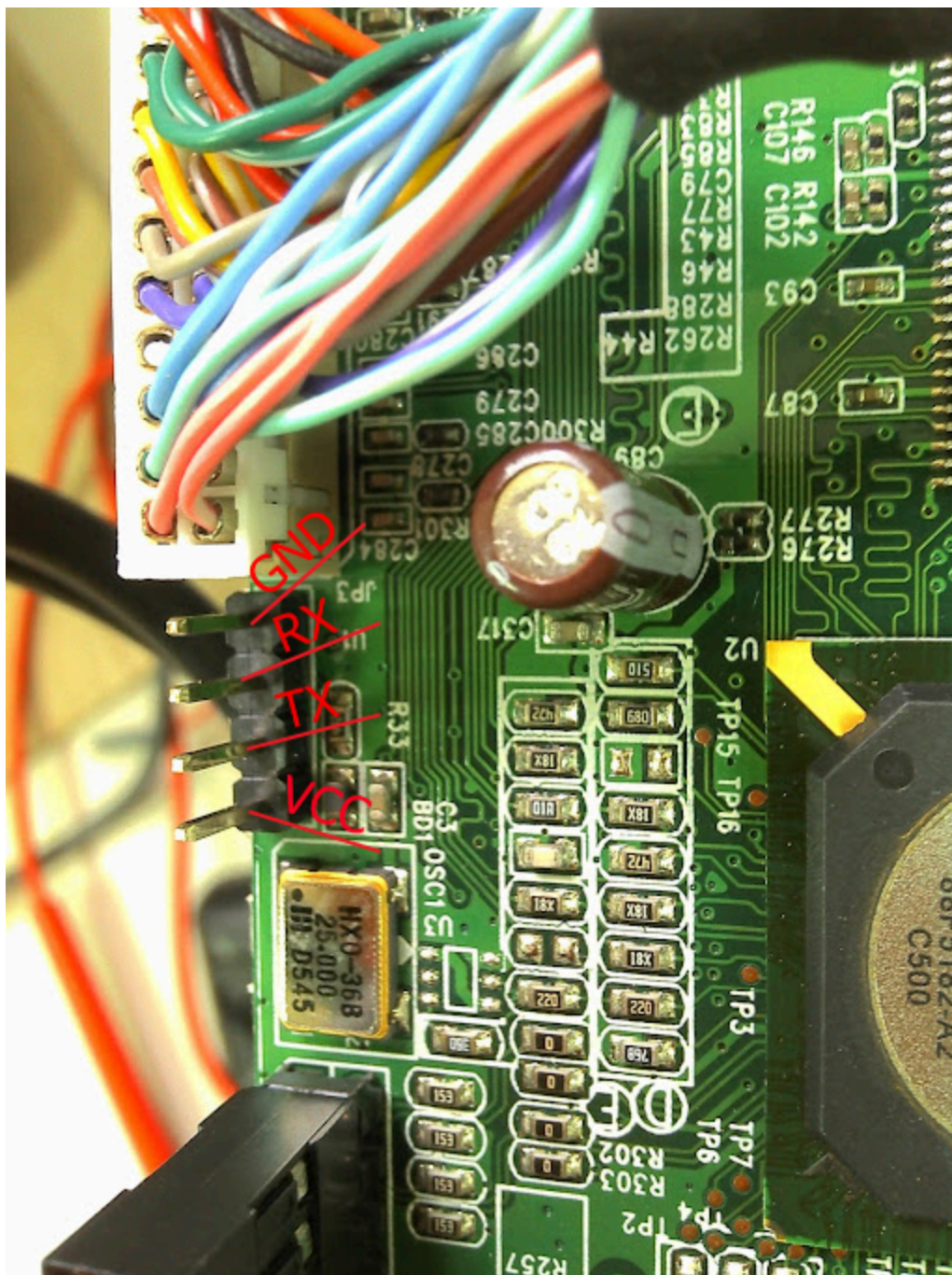
<http://www.nslu2-linux.org/wiki/Optware/Platforms>

note

[http://forum.buffalo.nas-central.org/](http://forum.buffalo.nas-central.org/viewtopic.php?f=18&t=4242&sid=e8f052bd627a79bcc6777423dc680d9b)

[viewtopic.php?f=18&t=4242&sid=e8f052bd627a79bcc6777423dc680d9b](http://forum.buffalo.nas-central.org/viewtopic.php?f=18&t=4242&sid=e8f052bd627a79bcc6777423dc680d9b)

??MOD



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