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### Linksys RV042

THX to voidit

## Hardware

CPU: Intel IXP425 @ 266MHz  
Ram: 32 MB (2x16MB Hynx HY57V281620ETP-H)  
Flash: 8MB (Numonyx JS28F640J3D75)  
Switch: Infineon ADM6999 (8 port)  
1 serial port (unsoldered)  
1 jtag port (unsoldered)  
1 mPCI port (unsoldered)

## CPU info

```
cat /proc/cpuinfo
Processor : Intel XScale-IXP425 rev 1 (v5b)
BogoMIPS : 266.24
Features : swp half thumb fastmult edsp
Hardware : Intel IXP425 IXDP425
Revision : 0000
Serial : 0000000000000000
```

Hardware

## Orig firmware

1.3.13tm  
user: admin  
pw: admin

The latest original firmware would be "1.3.12.19-tm (Feb 13 2009 13:03:21)"  
[http://www.cisco.com/en/US/prod/routers/ps9923/ps9925/RV042\\_Firmware.zip](http://www.cisco.com/en/US/prod/routers/ps9923/ps9925/RV042_Firmware.zip)

## Telnet access

Login to the device.  
Access the following site on the webif:

<http://192.168.1.1/sysinfo123.htm?ConsoleSimulation=1>

Change the ip if needed.  
The device will answer a status page and if u see:

```
...  
Mfg_Status=Support Console Simulation !
```

Telnet will be reachable on port 23

## Backup

After enabling telnet access, you are able to do a full flash backup. You will need a little [python script](#) that will do the backup of the original flash content, as well as flash the new reboot. A backup of this script can be found here: [Jungo-image.jpg](#) If you use this image, you will have to rename it to *jungo-image.py*

## Busybox shell

To enable the busybox shell do

```
exec /bin/sh
```

## Linux version

```
cat /proc/version  
Linux version 2.4.19openrg-rmk6-ds1
```

## External links

[rv042](#)

[http://www.linksys.com/servlet/Satellite?c=L\\_CASupport\\_C1&childpagename=US%2FLayout&cid=1169671246380](http://www.linksys.com/servlet/Satellite?c=L_CASupport_C1&childpagename=US%2FLayout&cid=1169671246380)

<http://nuwiki.openwrt.org/toh/actiontec/mi424wr>

[http://nuwiki.openwrt.org/oldwiki/openwrtdocs/hardware/actiontec/mi424\\_wr](http://nuwiki.openwrt.org/oldwiki/openwrtdocs/hardware/actiontec/mi424_wr)