

How to run XorPlus on Pronto Switch

Pica8, Inc

1. Down load the image and copy it to tftp server

Just take revision r7017 for example, **you should download the latest revision.**

```
$ wget http://pica8.com/download/images/pronto\_3290/pronto\_3290\_build\_r7017.tar.gz
```

```
$ wget http://pica8.com/download/images/pronto\_3295/pronto\_3295\_build\_r7017.tar.gz
```

```
$ wget http://pica8.com/download/images/pronto\_3780/pronto\_3780\_build\_r7017.tar.gz
```

Eg.

My tftp server's IP is 10.10.50.16, and my tftp root directory is /tftpboot.

```
$ cp pronto_3780_build_r7017.tar.gz /tftpboot/rwan
```

2. Boot switch to Quanta's diag code and upgrade Pica8's image on CF card

2.1 Enter u-boot

....

Hit any key to stop autoboot: 0

```
=>run flash_bootcmd
```

2.2 Entern Linux shell

Diagnostic Test Main Menu v1.3 (LB9A - Linux)

- [1] File Management
- [2] Board Information
- [3] Diagnostic Test
- [4] Manufacturing Test Mode Set
- [5] Test Error Log File Management

[6] PING

[7] Reset

[8] For Vibration Test

Enter your choice: <====Ctrl+D twice

2.3 Upgrade Pica8's image on CF Card

2.3.1 Use 'udhcpc' or 'ifconfig eth0 x.x.x.x' to config the management port IP

```
# udhcpc
```

2.3.2 Mount CF card to /cf_card or other mount point as you like

If CF card is already mounted, please ignore this step.

```
# mount /dev/hda1 /cf_card
```

2.3.3 Insall Pica8's image on CF card

```
# cd /cf_card
```

```
# rm -rf *
```

```
#tftp -g -r rwan/ pronto_XXXX_build_r7017.tar.gz -l ./ pronto_XXXX_build_r7017.tar.gz  
10.10.50.16
```

```
# sync
```

```
# tar -zxvf pronto_XXXX_build_r7017.tar.gz
```

```
# rm pronto_XXXX_build_r7017.tar.gz
```

```
#sync
```

Please notice : sync is very important.

2.3.4 Reboot the switch

```
# reboot
```

3. Change boot loader, so as to run XorPlus as default

You do not need to change this , if you already changed this before.

3.1 Enter u-boot

....

Hit any key to stop autoboot: 0

For pronto3290:

```
=> set cfcad_bootcmd2 'setenv bootargs root=/dev/hda1 rw noinitrd console=ttyS0,$baudrate;
ext2load ide 0:1 0x1000000 boot/ulmage;ext2load ide 0:1 0x400000 boot/LB9A.dtb;bootm
1000000 - 400000'
```

```
=>set bootcmd 'run cfcad_bootcmd2'
```

```
=>saveenv
```

```
=>reset
```

For pronto3295:

```
=> set cfcad_bootcmd2 'setenv bootargs root=/dev/hda1 rw noinitrd console=ttyS0,$baudrate;
ext2load ide 0:1 0x1000000 boot/ulmage;ext2load ide 0:1 0x400000 boot/LB9.dtb;bootm
1000000 - 400000'
```

```
=>set bootcmd 'run cfcad_bootcmd2'
```

```
=>saveenv
```

```
=>reset
```

For pronto3780:

```
=> set cfcad_bootcmd2 'setenv bootargs root=/dev/hda1 rw noinitrd console=ttyS0,$baudrate;
ext2load ide 0:1 0x1000000 boot/ulmage;ext2load ide 0:1 0x400000 boot/LB8.dtb;bootm
1000000 - 400000'
```

```
=>set bootcmd 'run cfcad_bootcmd2'
```

```
=>saveenv
```

```
=>reset
```