

## GadgetPC Boot Configuration

GadgetPC board can be configured to run ARM9 Linux or Debian. The boot location can be either on-board DataFlash or USB Flash Drive.

To configure a board for any of these options, stop U-BOOT during the boot process by pressing a key:

```
GadgetPC rev 1.07 09/12/2009
BiPOM Electronics, Inc.
www.bipom.com
AT91BootStrap...OK

U-Boot 2008.10 (Feb 24 2009 - 11:45:00)

DRAM: 32 MB
DataFlash:AT45DB642
Nb pages: 8192
Page Size: 1056
Size= 8650752 bytes
Logical address: 0xD0000000
Area 0: D0000000 to D0003FFF (RO) Bootstrap
Area 1: D0004000 to D0007FFF Environment
Area 2: D0008000 to D002FFFF (RO) U-Boot
Area 3: D0030000 to D042FFFF Kernel
Area 4: D0430000 to D083FFFF FS
In: serial
Out: serial
Err: serial
Hit any key to stop autoboot: 0
U-Boot> <INTERRUPT>
U-Boot>
```

1) To run Debian on GadgetPC, type the following at the U-BOOT prompt:

```
setenv bootcmd 'usb start; fatload usb 0:1 0x21000000 ulmage; bootm 0x21000000'  
setenv bootargs 'mem=32M console=ttyS1,115200 root=/dev/sda2 rw rootwait'  
saveenv
```

( You do not need any mmfs.gz or gpcfs.gz at all )

2) To run ARM9 Linux on GadgetPC, type the following at the U-BOOT prompt:

```
setenv bootcmd 'usb start; fatload usb 0:1 0x21000000 uimage; fatload usb 0:1 0x20410000 gpcfs.gz; bootm 0x21000000'  
setenv bootargs 'mem=32M console=ttyS1,115200 root=/dev/ram0 rw initrd=0x20410000,0x800000 ramdisk_size=8200'  
saveenv
```