

GENERAL DYNAMICS

Itronix

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Procedure

1. Download the firmware to be installed. This can be accessed from:

<http://www.tadpole.com>

From the menu bar select Product Support and then Downloads. In the Notebook Downloads section scroll to the SPARCbook 5000/SPARCbook 6500 row and select the OBP directory.

Download the sb5000_112_169.combo file

Or enter the following URL to download the firmware directly:

ftp://ftp.tadpole.com/support/SPARCbook5000_6500/Obp/sb5000_112_169.combo

2. Copy the firmware, sb5000_112_169.combo to the /usr/Flash directory and verify the file checksum.

```
# cd /usr/Flash
# sum -r sb5000_112_169.combo
65361 1120 sb5000_112_169.combo
```

3. Install the OBP_PMU combo image as follows:

To run the flash utility login as root (super-user)

```
# ./flash-update -f /usr/Flash/SPARCle_112_169.combo -y
```

```
PromFile:/usr/Flash/sb5000_112_169.combo
Copied 573440 bytes prom image from /usr/Flash/sb5000_112_169.combo into memory
.
Updating Ultrabook Ile/SPARCbook 5000/SPARCLE PROM
FLASH type: AMD 29F081B
System Name: Ultrabook Ile/SPARCbook 5000/SPARCLE
Magic: OBMD
      OBP      Version: 4.0.213 2005/04/19 11:57
1 Erasing ... Done
1 Verifying Erase ... Done
1 Programming ... Done
1 Verifying Program ... Done
#
```

4. Power down the unit and set the OBP environmental variable, auto-boot? to false

```
# sync; init 0
```

At the ok prompt:

```
ok> setenv auto-boot? false
```

Turn the system off

5. To update the PMU directly from the .combo image:

Turn the system on

At the ok prompt:

```
ok> pmu-update
```

Answer Y (NB: must be in uppercase) and wait for the unit to power down (may take up to two minutes). Turn the unit on and check that the banner shows the correct OBP & PMU revision number:

SPARCbook 5000: SPARCbook 5000 (Ultrabook-Ile 500MHz), PMU Version 1.69
OpenBoot 4.03 Tadpole 1.12, 512 MB memory, Serial # 1xxxxxxx

SPARCbook 6500: SPARCbook 6500 (Ultrabook-Ile 650MHz), PMU Version 1.69
OpenBoot 4.03 Tadpole 1.12, 512 MB memory, Serial # 1xxxxxxx