

Aruba 3200 Memory Upgrade

Installation Guide

This document describes how to upgrade the memory of your Aruba 3200 controller by replacing the dual in-line memory module (DIMM) with a unit of a higher capacity.



Before you begin, save your configuration to an external location.

Package Contents

- 1x 1GB DDR2 DIMM
- 1x ESD Grounding Strap
- 1x Phillips Head Screwdriver
- 2x 4-40 x 0.25 Phillips Head Screw

Preparing the 3200

1. Connect to your controller through the console port.
2. Execute a system halt using the `halt` command
3. Power down your controller.
4. Power on your controller.
5. Clear existing memory settings from `cpboot` using the `eye_finder` command. See example output below:

```
CPBoot 1.2.0.0 (build 20527)
Built: 2009-01-20 at 18:55:40
DRAM: Operating at 533 MHz
DRAM: Channel 0: 512 MB
DRAM: Channel 2: 0 MB
DRAM: Total = 512 MB
POST: Memory test: Physical 0 - 0x10000000 - quick test
      Memory test: Physical 0x10000000 - 0x20000000 - quick test
      PASS
CPU:   XLR508 rev. C4   Clock: 800MHz
Board: A3200
CPLD:  rev: 1.1
SMP:   All 8 cpus successfully started
Boot:  Primary bootflash partition
POST2: OK
Net:   xlr_gmac0 xlr_gmac1 xlr_gmac2 xlr_gmac3
IDE:   Bus 0: OK
       Device 0: Model: CF 512MB Firm: 20080112 Ser#: 2009B      0000569156
              Type: Removable Hard Disk
              Capacity: 502.0 MB = 0.4 GB (1028160 x 512)
```

```
Hit any key to stop autoboot: 0      <---Press enter here to stop autoboot
cpboot> eye_finder                    <---enter the eye_finder command. This will set the trigger
for eyefinder to run during the next boot.
```

```
Erasing #  
Erased 1 sectors  
Writing #####  
cpboot>
```

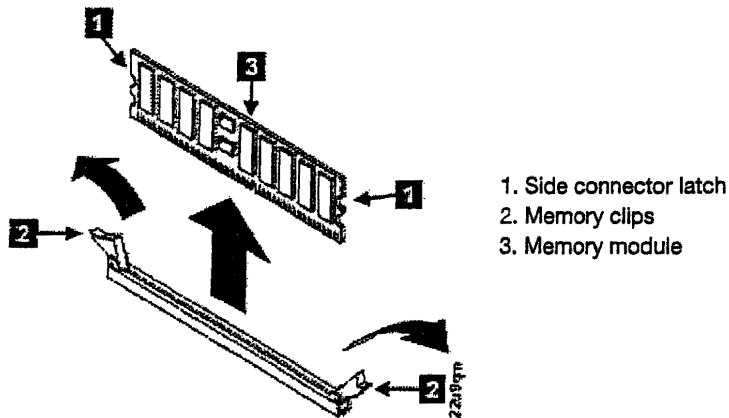
6. Power down your controller.
7. Disconnect power and remove all network connections from your controller.
8. Remove your controller for the rack.

DIMM Removal

Replace the DIMM by completing the following steps:

1. Attached Antistatic wrist strap.
2. Remove top cover:
 - a. Remove the two screws in the back of the unit.
 - b. Slide cover towards the back and lift cover.
3. Remove existing DIMM by pressing outwards on the memory clips "2" as shown in Figure 1. This action pulls the memory module "3" out of the connector

Figure 1 DIMM Removal

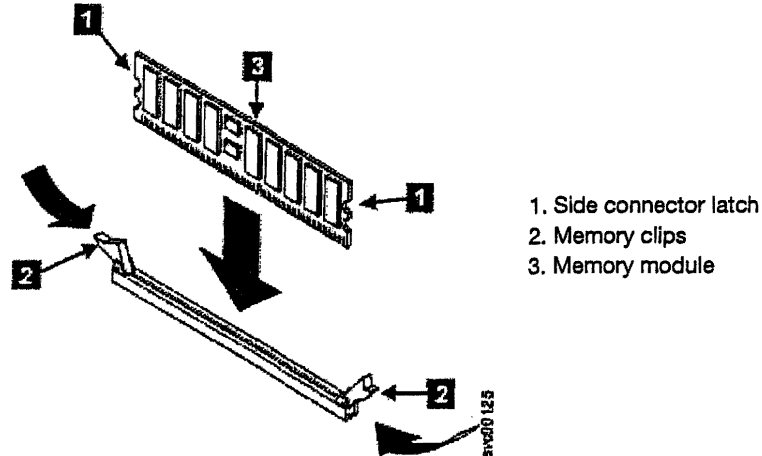


DIMM Installation

Install the new DIMM by completing the following steps:

1. Insert new DIMM module - with the clips "2" open, lower the memory module "3" into the connector, as shown in Figure 2.
2. Insert the DIMM fully to close the clips.

Figure 2 DIMM Installation



1. Replace top cover.
 - a. Place cover on the chassis and slide cover towards the front of your controller.
 - a. Insert and tighten the two screws in the back of your controller.
2. Replace your controller in rack.
3. Reconnect all network connections.
4. Restore power to your controller.
5. Monitor console output - see example output below:

```
CPBoot 1.2.0.0 (build 20527)
Built: 2009-01-20 at 18:55:40
***** Running DRAM Eye-Finder ***** <--- eyefinder takes about 60 seconds to complete
DRAM: Operating at 533 MHz
.....DRAM: Channel 0: 1024 MB <--- Notice this now has 1024 MB.
DRAM: Channel 2: 0 MB
DRAM: Total = 1024 MB
POST: Memory test: Physical 0 - 0x10000000 - quick test
      Memory test: Physical 0x10000000 - 0x20000000 - quick test
      PASS
CPU: XLR508 rev. C4 Clock: 800MHz
Board: A3200
CPLD: rev: 1.1
SMP: All 8 cpus successfully started
Boot: Primary bootflash partition
POST2: OK
Saving eye-finder results to flash...
Erasing #
Erased 1 sectors
Writing #####
Saving eye-finder results in secondary bank...
Erasing #
Erased 1 sectors
Writing ##### <--- new eyefinder data is written to flash
```

Reselecting primary flash bank.

Net: xlr_gmac0 xlr_gmac1 xlr_gmac2 xlr_gmac3

IDE: Bus 0: OK

Device 0: Model: CF 512MB Firm: 20080112 Ser#: 2009B 0000569156

Type: Removable Hard Disk

Capacity: 502.0 MB = 0.4 GB (1028160 x 512)

Hit any key to stop autoboot: 0

Loading image 0:1#####

For More Information

To contact Aruba Networks, refer to the information below:

Table 1 *Contact Information*

Web Site Support	
• Main Site	http://www.arubanetworks.com
• Support Site	https://support.arubanetworks.com
• Software Licensing Site	https://licensing.arubanetworks.com/login.php
• Wireless Security Incident Response Team (WSIRT)	http://www.arubanetworks.com/support/wsirt.php
• Support Emails	
Americas and APAC	support@arubanetworks.com
EMEA	emea.support@arubanetworks.com
• WSIRT Email Please email details of any security problem found in an Aruba product.	wsirt@arubanetworks.com
Telephone Numbers	
• Aruba Corporate	+1 (408) 227-4500
• FAX	+1 (408) 227-4550
• Support	
United States	800-WI-FI-LAN (800-943-4526)
Universal Free Phone Service Number (UIFN): Australia, Canada, China, France, Germany, Hong Kong, Ireland, Israel, Japan, Korea, Singapore, South Africa, Taiwan, and the UK	+800-4WIFI-LAN (+800-49434-526)
All other countries	+1 (408) 754-1200



www.arubanetworks.com

1344 Crossman Avenue
Sunnyvale, California 94089

Phone: 408.227.4500
Fax 408.227.4550