COMPAQ   EK–DSCPU–IN. C01

KN311/312 CPU INSTALLATION CARD

Use this quick reference card with *AlphaServer* DS20E or *AlphaStation* DS20E systems for either upgrading from the KN310 to the KN311, KN310 to the KN312, or KN311 to the KN312 CPU module or for adding a second CPU module. (Mixed configurations of KN310, KN311, or KN312 processors are not supported.)

WARNING: CPU modules and memory modules have parts that operate at high temperatures. Wait 2 minutes after power is removed before touching any module.

CAUTION: Wear an antistatic wrist strap when working on this system.
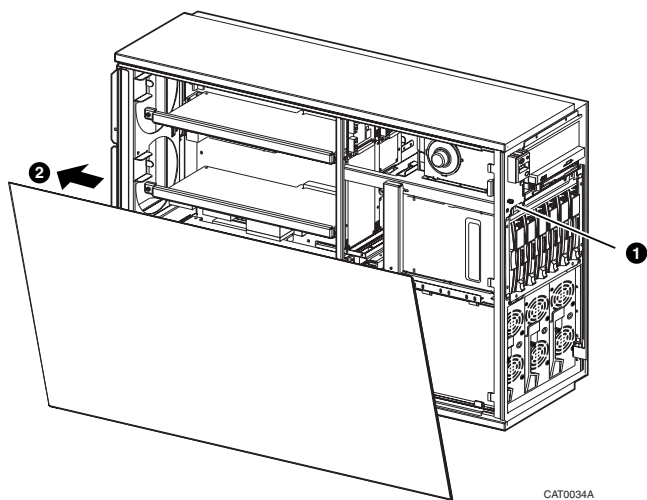
Overview

- Open the cabinet. See the *DS20E Reference Guide* shipped with your system (ER-K8F6W-UA).
- Locate the CPU slot and switches.
- Install the CPU module.
- Verify the installation.

Open the Cabinet.

1. Shut down the operating system and power down the system.
2. Unplug the power cord.
3. Remove the cover to gain access to the system card cage. See Figure 1.
   a. Open the front bezel.

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b. Loosen the captive screw ❶ attaching the side panel to the chassis.

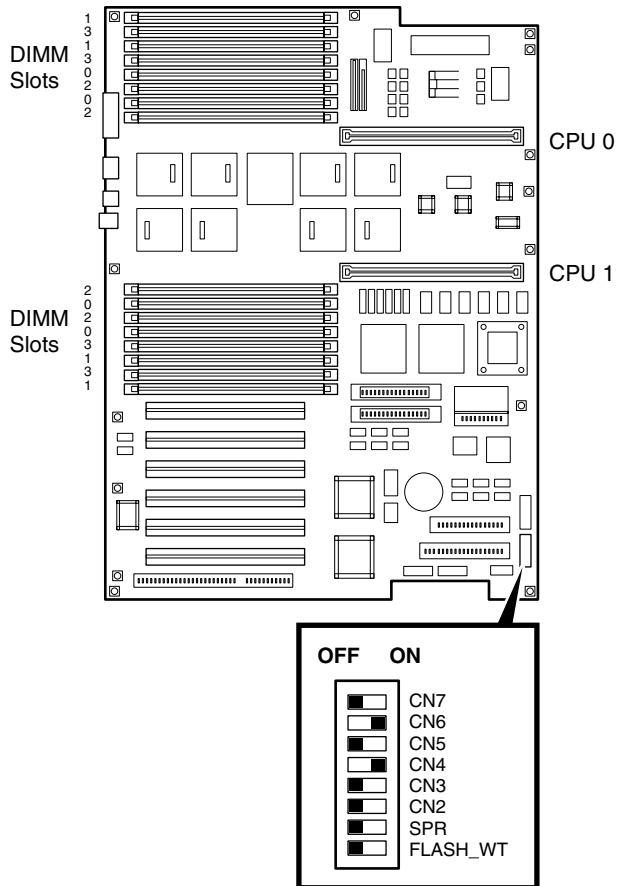c. Remove the panel ❷ with a rearward motion.

Figure 1   Opening the Cabinet

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Locate the CPU Slot and Switches.

Always place the first CPU in slot 0; use slot 1 when you are adding a second CPU.

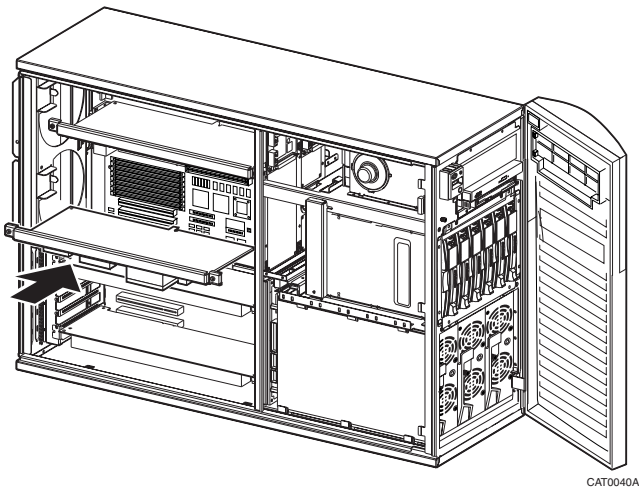## Figure 2   CPU Slots and SW3 MLB Switches

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Table 1   MLB Switch Settings (54-24756-03)

Module	SW3 MLB Switch Settings for KN311 and KN312							
	CN 7	CN 6	CN 5	CN 4	CN 3	CN 2	SPR	F_WT
KN311/312	Off	On	Off	On	Off	Off	Off	Off

Install the CPU Module.

1. Remove the processor from its shipping container. Take ESD protection when installing CPUs.

2. Slide the CPU module into the appropriate CPU slot. Be sure the edges of the module are in both guides so that it correctly lines up with the slot on the system board.

3. Ensure that there are no cables interfering, then press the module firmly into the connector.

4. Secure the module to the card cage frame with the two captive screws on the handle.

5. If you are upgrading from KN310 to KN311/312, move SW3 MLB CPU switch CN6 to "On". Refer to Table 1. (If you are adding a second module, the CPU switch settings should remain the same as originally set for the first KN311 module.)

6. Plug the dc power harness into the CPU.

7. Replace the cover and tighten the captive screws.

8. Replace the bezel.

9. Plug the ac power cord in.

Figure 3 CPU Installation

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Verify the Installation.

• Issue the SRM console **show CPU** command to
  display the status of the CPU modules.

Part numbers for options can be found on the Internet.
Using a Web browser, follow links to the appropriate
AlphaServer DS20E / *AlphaStation* DS20E supported
options list from the URL:

http://www.compaq.com/alphaserver/products.html

  Important: When moving from a KN310 to a KN311 or
  KN312 CPU, make sure that switch CN 6 on SW3 of the
  MLB is correctly selected. Off = KN310 and On =
  KN311 and KN312.