



AlphaServer DS20E 833 MHz CPU Read Me First

Part Number: EK-EV833-CL. A02

Important! Read this information before installing an additional 833-MHz CPU into an *AlphaServer DS20E* system!

The add-on CPU in your order has the part number 54-30482-01. This is a KN312 CPU. For instructions to install CPUs, reference the *KN311/312 CPU Installation Card* (EK-DSCPU-IN. C01) provided with your CPU upgrade kit.

Note: For Regulatory and Safety Information, reference Appendix A in the *AlphaServer DS20E/AlphaStation DS20E Reference Guide* (ER-K8F6W-UA. D01).

After upgrading your system with 833 MHz CPUs, perform the following examples to assure that the CPUs are installed correctly.

Example Show Configuration

Important! Before installing the CPU upgrade, the system firmware revision must be at a minimum version of 6.0.

<http://ftp.digital.com/pub/Digital/Alpha/firmware/readmes/ds20.html>

```
P00>>> show config | more
                                COMPAQ AlphaServer DS20E 833 MHz

SRM Console:      V6.0
PALcode:          OpenVMS PALcode V1.88-71, Tru64 UNIX PALcode V1.83-68

Processors
CPU 0              Alpha 21264B-3 833 MHz   SROM Revision: V1.17.44
                   Bcache size: 8 MB

CPU 1              Alpha 21264B-3 833 MHz   SROM Revision: V1.17.44
                   Bcache size: 8 MB

Core Logic
Cchip              DECchip 21272-CA Rev 2.1
Dchip              DECchip 21272-DA Rev 2.0
Pchip 0            DECchip 21272-EA Rev 2.2
Pchip 1            DECchip 21272-EA Rev 2.2

TIG                Rev 4.22
Arbiter            Rev 2.16 (0x1)
```

MEMORY

④

Array #	Size	Base Addr
0	256 MB	000000000
1	128 MB	010000000

Total Bad Pages = 0

Total Good Memory = 384 Mbytes

- ① **Firmware.** Version numbers of the SRM console and PALcode (the code that implements behavior defined by the Alpha architecture).
- ② **Processors.** Processors present, processor version and clock speed, and amount of backup cache.
- ③ **Core logic.** Version numbers of the chips on the system board.
- ④ **Memory.** Memory arrays and memory size.

Example Show CPU

```
P00>>> show cpu
```

```
Primary CPU:      00
Active CPUs:      00      01      ①
Configured CPUs: 00      01
SROM Revision:    V1.17.44  V1.17.44      ②
```

- ① The CPUs have been brought successfully online and are ready to run an operating system.
- ② SROM has been loaded and the CPUs are good.

For OpenVMS

All networks must be connected to a live network or loopback connector. The order number for a loopback connector is 317463-001, and the spare part number is 317465-001. For problems or questions, call Compaq Services.