



## AlphaServer DS20E 833 MHz CPU Read Me First

Part Number: EK-EV833-CL. A02

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

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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

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

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<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.