

# Heads up Alpha and Storage information – Ok for External use

*Source:* <http://unix.derkeiler.com/Newsgroups/comp.os.vms/2005-05/0510.html>

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*Date:* 05/06/05

Date: 6 May 2005 13:00:43 -0700

Dear Folks,

I just got this from Richard Smith in the Alpha group and thought you might find it useful.

Warm Regards,  
Sue

## Maximum I/O Capacity Doubled for GS1280

System qualification testing has completed for an increase in maximum I/O Connections to 32 (Tru64 UNIX) and 24 (OpenVMS) from the previous limit of 16 connections. This new maximum makes possible a total I/O bandwidth for a 32P or 64P system of up to 111 GB/sec. For comparison, the 64P IBM p5 590 has a peak I/O bandwidth of 48 GB/sec.

## New GS1280 Model 16 to Model 32 Upgrade Kit (3X-BA65C-AA)

This new upgrade kit includes all the expansion hardware needed to upgrade an AlphaServer GS1280 Model 16 to an AlphaServer GS1280 Model 32.

- One CPU rack with four 8P System drawers
- One power rack.

Installation involves transfer of CPU modules, I/O Drawers and storage from original M16 rack to new Upgrade racks (any new CPU modules and drawers ordered with the Upgrade are integrated at the factory).

The news is that this upgrade kit permits upgrades, at a later date, to a GS1280 M64. The previous upgrade offering limited expansion at the Model 32 level. Also, this upgrade includes a Dual AC power supply, standard; where the previous upgrade only offered Dual AC as an extra cost option. The new upgrade is priced exactly the same as the previous upgrade offering.

### New GS1280 Model 32 to Model 64 Upgrade Kit (3X–BA65D–AA)

This new upgrade kit includes all the expansion hardware needed to upgrade an AlphaServer GS1280 Model 32 to an AlphaServer GS1280 Model 64 in a single part number.

- One CPU rack with four 8P System drawers
- One power rack.
- Cable Kit to convert two AlphaServer GS1280 Model 32 systems to one AlphaServer GS1280 Model 64 system.

### Qualification of 1066 MHz RDRAM Memory for use with 1.15 GHz EV7

Customers now have a choice of using either the 800 MHz or 1066 MHz RDRAM memory with the 1.15 GHz EV7 CPU. The 1066 MHz RDRAM memory remains the only choice for use with the 1.3 GHz EV7.

### New Part Numbers for iCAP CPU Enablement

These new parts bring the buying process for the instant Capacity (iCAP) CPU offering on Marvel into line with the way customers purchase iCAP for Integrity and HP9000 systems.

The iCAP program gives customers the option to purchase add-on CPU modules at a reduced price and install those modules in systems ready to activate instantly when needed for extra computational capacity. To use the iCAP program for Marvel:

1. Order and install iCAP CPU modules along with Full Use CPUs. The total number of Full Use CPU Building Block Modules plus iCAP CPU Building Block Modules must adhere to the CPU configuration guidelines for the system.
2. Use the iCAP software utilities (supplied with the iCAP CPU Module) to set the iCAP CPU inactive until extra capacity is needed. An inactive iCAP CPU cannot be connected to an I/O Building Block Drawer.
3. Activate the iCAP CPUs for First Use when extra capacity is needed, and then promptly purchase the new iCAP Enablement (Right-to-Use) part.

iCAP CPU Building Block Module + iCAP Enablement = Full Use CPU Building Block Module.

### Support for the Latest HP Storage and Backup Peripherals

Qualification testing has completed for support of these up-to-date HP storage and backup peripherals on all AlphaServers, including the Marvel systems; ES47, ES80, and GS1280:

- xp12000 StorageWorks Disk Array
- MSA30 MI Storage Enclosure Rackmount, 14–drive enclosure with dual bus, multi–initiator shared access, and dual power supplies
- SDLT 600 Tape Drive 600–GB capacity, full–height device
- Ultrium 448 Tape Drive 400–GB capacity LTO, half–height device
- Ultrium 460 Tape Drive 400–GB capacity LTO, full–height device
- Ultrium 960 Tape Drive 800–GB capacity LTO, full–height device
- DLT VS160 Tape Drive 160–GB capacity
- 1U Rackmount Tape Drive Enclosure Supports up to two internal half–height devices including:
  - o DAT 40, and DAT 72 Tape Drives
  - o DLT VS80, DLT VS160 Tape Drives
  - o Ultrium 448 Tape Drives
- 1/8 SDLT 320 Tape Autoloader
- 1/8 LTO 460 Tape Autoloader
- Enterprise class ESL e Series Tape Libraries