

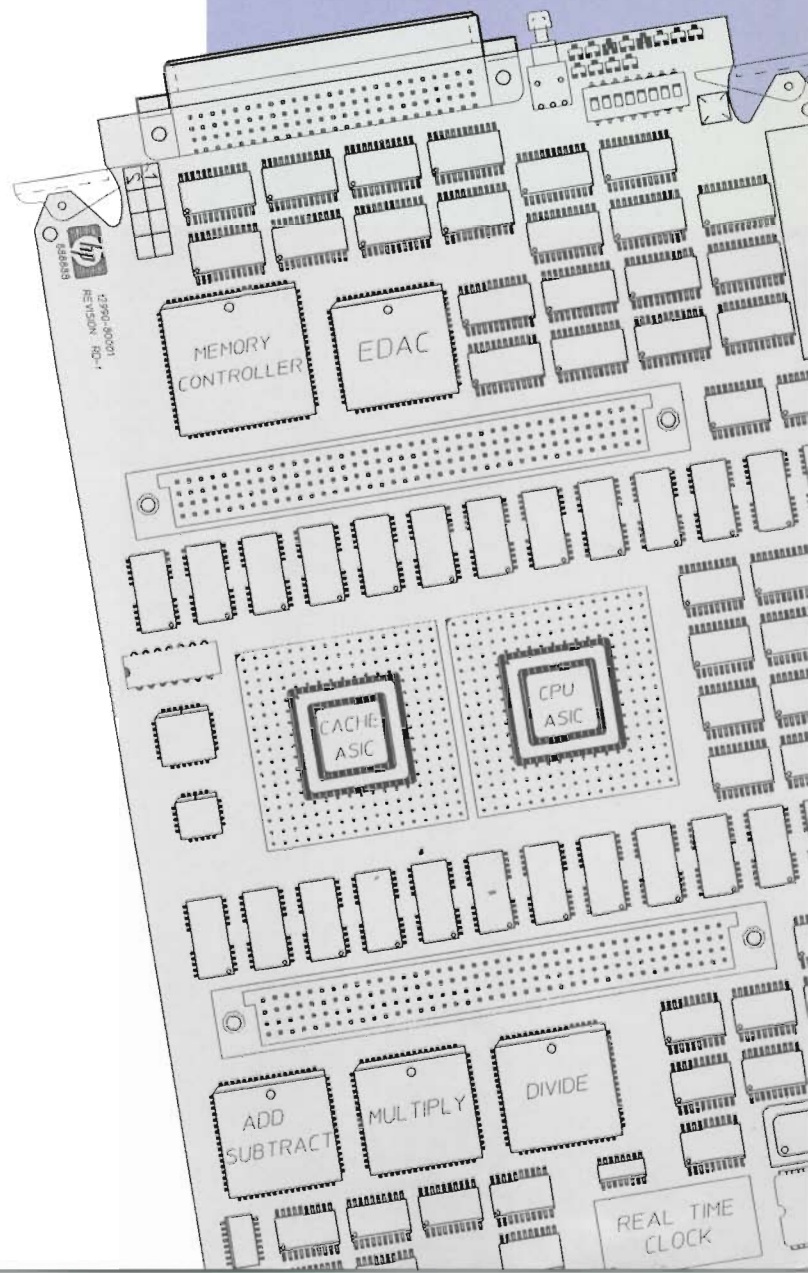
Upgrade Now and Save

To leverage those hardware and software investments you have already made in your HP 1000 A-Series, and get more than twice the CPU performance out of your current A900 (or MANY times the performance of other A-Series processors), you can now **UPGRADE** your existing system via the new, plug-compatible single-board A990 processor—easily and inexpensively.

What the new A990 upgrade product provides:

The new upgrade product—the 12990C—replaces your current processor set with a single board processor which has been designed using today's CAD/CAM techniques, employing state-of-the-art ASICs (Application-specific-integrated-circuits), and combining the latest surface-mount (SMT) processes with other modern manufacturing methods.

The New HP 1000 A990



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This combination of modern technology and optimized design provides a high-performance, compact, plug-compatible, and highly reliable single-board processor that is functionally compatible with the current A-Series family.

A990 box and system products are also available

In addition to the upgrade product for those customers who currently own A-Series computers and wish to move up, there are also A990 box and system products for expansion of existing facilities or for new customers with new or existing applications. The A990 family of processors provides customers with "guaranteed" performance twice that of the current A900s for only \$10,000 more! Factory Base Prices for these new products are listed in Table 1 (below).

Table 1. Factory Base Prices

Description	With A900 Series CPU	With A990 Series CPU
20-Slot System	\$29,000 (P/N 2199E)	\$39,000 (P/N 2999A)
14-Slot System	\$22,000 (P/N 2489B)	\$32,000 (P/N 2989A)
20-Slot Box	\$22,285 (P/N 2139B)	\$32,285 (P/N 2959A)
14-Slot Box	\$17,700 (P/N 2439B)	\$27,700 (P/N 2939A)

Protect your investment

For customers who already own HP 1000 A-Series computers, the upgrade product is available with very generous return credits for the current processor as customers move up to the A990. This field-installable upgrade—priced at \$25,000 (FBP)—minimizes downtime, leverages existing applications, maximizes system performance, and preserves investments.

Buy now and save

Purchasing an A900 now for your current needs and upgrading to the A990 can be very profitable! Hewlett-Packard is offering an "incentive" program which allows you to take shipment of an A900 (between May 1, 1990 and before the A990 ships, and get an additional \$5,000 credit when you upgrade to the A990! For example, upgrading from a 2139B shipped today to a 2939A would cost as little as \$6,000!

Table 2. Upgrade Return Credits

Upgrade Kit Model Number	Description	Factory Base Price
12990C	Basic upgrade package*	\$25,000
Option 100	"A" License upgrade for A400/A600+/A700	\$3,000
Option 200	Replaces memory connectors for 1 through 4 memory arrays with connectors for 5 through 8 memory arrays. This option is needed if upgrading an A900 with 5 through 8 memory arrays.	\$0
Option 400	Return credit for A400	< \$1,000 >
Option 600	Return credit for A600+ w/Parity Memory Controller	< \$1,000 >
Option 605	Return credit for A600+ w/ECC Memory Controller	< \$6,000 >
Option 700	Return credit for A700	< \$11,000 >
Option 900	Return credit for A900	< \$14,000 >
Option 905	Incentive credit for A900s shipped after May 1, 1990 and before A990s begin shipping	< \$5,000 >

* Note: Includes "R" and "E" license upgrades for most software. Option 100 upgrades most "A" licenses for the A400, A600+, and A700. Option 900 includes A990 "A" license upgrade. Processor Board set must be returned to receive credit.



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