

More NEW Products and Advanced Technology From Stride

Calling all USUS members:

Our R & D group has accomplished what many said couldn't be done. An engineering breakthrough which provides a 200-300% increase in program execution speeds for most applications!

We have included several brochures which will explain the details of our recently announced 68020 option for the Stride 400 Series. For more than 7,000 Sage and Stride users there is a future without the need to dispose of your principal investment in hardware and software.

Sage owners may never have a better chance to get "up-to-speed". In addition to our popular 68020 upgrade option for the 400 Series, Stride has recently announced an already popular trade-in program for SAGE IIs and IVs. We will "buy back" your Sage computer against the purchase of a new Stride 400 Series 68000/10 or 68020 system.

Once your Sage or Stride is upgraded, the computer is equivalent in every respect to Stride's recently announced 440/020 and 460/020 Stride super-microcomputers, which easily rank as the fastest in their class!

It is of course our desire to see every USUS member purchase a 68020 Engine and/or take advantage of the Sage II/IV trade-in program. We have developed a special price list with you in mind which will remain in effect until March 15, 1987. So if you have ever wanted an increase in performance at a price that no one can beat, then now is the time to contact the Stride sales department.

Best regards,



Rick Kriss, Vice President
Sales and Marketing

Enclosures

*MicroSage, 680 S. Rock Blvd., Reno, NV 89502
(702) 322-6868*

SPECIAL OFFER TO USUS MEMBERS:

Through March 15, 1987, Stride is offering a special

25% DISCOUNT

on new machines purchased by any USUS member in good standing. Please give your USUS member number when ordering.

SAGE owners are reminded that they are also eligible for the enclosed special SAGE trade-in offer (see enclosure) which has been **extended to March 15, 1987**. Please note that the USUS discount cannot be combined with the trade-in discount.

A retail price list with machine configurations has been enclosed for your reference for both the USUS and SAGE trade-in specials. Our Stride sales force at (702) 322-6868 will be happy to provide you with additional assistance.

Stride

Jan 22, 1987

NEW! SAGE TRADE-IN PROGRAM ***on new 68020 Strides***

The Sage Trade-in Program is intended to give SAGE owners an opportunity to upgrade their existing systems to the latest technology available; the Stride 68000/10 and 68020-based supermicrocomputers. Special pricing and trade-in allowances have been combined to offer our customers a substantial savings.

This program is offered under the following terms and conditions:

- (1) Using your SAGE as a trade-in, you will be entitled to receive a discount off the enclosed list price of up to 50 percent. The discount percentage is dependent upon the value of your trade-in:

Discount allowance for SAGE II is 40 percent.
Discount allowance for SAGE IV is 50 percent.

- (2) Your discount applies only to hardware (not software), and does NOT apply to printers or terminals.
- (3) Your discount may be applied to any hard disk model of Stride supermicrocomputer: 440, 440/020, 460, 460/020.
- (4) Only one trade-in per purchase is allowed. Other trade and bundling discounts are not valid under this trade-in program.
- (5) No trade-in shall be allowed on Stride clones or if, in the opinion of Stride, the repair or replacement costs of any missing or malfunctioning parts substantially affect the marketable value of the computer. Your trade-in must include a full set of manuals and cables.
- (6) You must prepay inbound freight charges to ship your SAGE to our Stride factory in Reno.
- (7) You are encouraged to contact our sales department for a quotation and an estimated delivery date.
- (8) This offer is valid for all orders received by Stride prior to March 15, 1987, and may be modified or terminated at any time. Orders will be filled on a first-come-first-served basis. Actual shipments may be scheduled for delivery through May and June of 1987. Stride reserves the right to limit quantities, or to reject an order or trade-in for any reason.

Enclosed you will find information on Stride's 400 Series and the optional 020 Engine, our new 68020 supermicrocomputer, which has been optimized for the p-System.

We hope you will take advantage of this exceptional offer to upgrade to the latest technology available in the market. Contact your local Stride Reseller,* or call us at (702) 322-6868 for more information.

STRIDE

** Special Reseller discounts are in effect for this promotion. Interested Resellers are invited to contact Stride for details.*

Retail Price List for Sage Trade-In Program

440 Configurations

<i>Part#</i>	<i>440 Configurations</i>	<i>Retail</i>
SC0153	Stride 440 w/20M byte Winchester.....	6,995.00
SC0167	Stride 440 w/34M byte Winchester.....	8,495.00
SC0165	Stride 440 w/47M byte Winchester.....	9,395.00
SC0166	Stride 440 w/68M byte Winchester.....	9,995.00
IP0074	1M byte RAM Expansion.....	895.00
IP0003	Stride 440 Streaming Tape Drive	1,995.00
IP0023	Stride 440 Second Floppy Drive.....	495.00
IP0032	Stride 440 Graphics Option	395.00
IP0002	Floating Point Processor.....	595.00
IP0067	Memory Management Option with 68010.	650.00
IP0080	Stride 68020 Accelerator Board Option	1,795.00
IP0081	Stride 68020 Accelerator FPU (68881)	595.00
IP0010	Stride 440 Port Board without RAM.....	795.00
IP0044	Omninet Networking Hardware.....	595.00
IP0026	Stride 440 IEEE-488 VME Option	695.00

460 Configurations

<i>Part#</i>	<i>460 Configurations</i>	<i>Retail</i>
SC0163	Stride 460 w/34M byte Winchester.....	\$10,495.00
SC0161	Stride 460 w/47M byte Winchester.....	11,395.00
SC0168	Stride 460 w/68M byte Winchester.....	11,995.00
SC0162	Stride 460 w/136M byte Winchester.....	16,495.00
SC0164	Stride 460 w/204M byte Winchester.....	19,395.00
IP0060	2M byte RAM Expansion to 4M bytes	1,790.00
IP0025	Stride 460 Streaming Tape Drive	1,995.00
IP0024	Stride 460 Second Floppy Drive.....	495.00
IP0033	Stride 460 Graphics Option	395.00
IP0002	Floating Point Processor.....	595.00
IP0067	Memory Management Option with 68010.	650.00
IP0080	Stride 68020 Accelerator Board Option	1,795.00
IP0081	Stride 68020 Accelerator FPU (68881)	595.00
IP0034	Stride 460 Port Board without RAM.....	795.00
IP0044	Omninet Networking Hardware.....	595.00
IP0027	Stride 460 IEEE-488 VME Option	695.00

STRIDE 400 SERIES MICROCOMPUTERS

020 Engine Benchmarks

November 1986

If you are not familiar with the different configuration modes used to run the benchmarks below, please refer to the following literature: For an explanation of the difference between the 68000 pre-fetch mode and the 68020 cache mode refer to the respective manuals published by Motorola. For an explanation of the static RAM area refer to Stride's 020 Engine brochure. For an explanation of the enhanced 68020 interpreter refer to Stride's 020 Engine and p-System brochures. For information on the operation of the Native Code Generator, contact Knowledge Software.

TEST:	68000	68020 -cache -sram -interp -ncg os	68020 +cache -sram -interp -ncg os	68020 +cache +sram -interp -ncg os	68020 +cache +sram +interp -ncg os	68020 +cache +sram +interp +ncg os
SIEVE (ASSEMBLY)	0.97	1.15	0.50	n/a	n/a	n/a
SIEVE (N-CODE M2)	1.19	1.45	0.60	n/a	n/a	n/a
SIEVE (P-CODE)	24.72	32.90	20.39	17.15	12.92	1.25
COMPILE (MU.UTIL)	142.00	172.00	125.00	101.00	77.00	36.00
ASSEMBLY (SYSTEM BIOS)	322.00	386.00	279.00	222.00	175.00	n/a
COMPILE M2 (DEBUGGER)	149.00	170.00	121.00	n/a	n/a	n/a
ASSEMBLY M2 (MU.BIOS)	132.00	145.00	117.00	n/a	n/a	n/a

All test times are in seconds. Options indicate system configuration:

- cache means that 68020 cache mode is off.
- +cache means that 68020 cache mode is on.
- sram means that 020 Engine static RAM is empty.
- +sram means that the interpreter and BIOS execute from the static RAM area.
- interp means that 68000 interpreter is installed.
- +interp means that the enhanced 68020 interpreter is installed.
- ncg os means no files have been native coded.
- +ncg os means that the p-System operating system and target program have been native coded with Knowledge Software's 68000 POP.NCG Native Code Generator. (32 Cove Road, Farnborough, Hants, UK GU14 0EN TEL: 011 (44) 52520667 Derek Jones)
The compiler and files were in RAMdisk to minimize I/O overhead.

Expanded Test Descriptions (in same order as above):

- Sieve benchmark written in assembly code.
- Sieve benchmark written in Native Code Modula-2.
- Sieve benchmark written in UCSD Pascal running in pcode.
- p-System compilation of MU.UTIL.
- p-System assembly of SYSTEM.BIOS.
- Modula-2 compilation of 400 Series PROM Debugger.
- Assembly of MU.BIOS with WRB's assembler written in Modula-2.