

STRIDE 640



STRIDE 640

The Stride 640 is the compact desktop workhorse of the Stride 600 line of high-performance multiuser supermicros. It easily fits into small spaces and tight budgets, yet delivers full-sized speed and processing power to serve all purposes in a smaller office.

For flexibility in applications, the Stride 640 is NCR Tower® compatible. No charges are required to install and run one of the world's widest application software bases, including word processors, spreadsheets, office automation packages, business graphics packages, point-of-sale software and communications programs. In fact, almost all application programs developed for NCR run on Stride.

But the compact Stride 640 runs them faster. Its superior overall response rate stands up to heavy usage. Fast SCSI data transfers hasten disk-intensive operations. And a brisk 38.4K baud serial line rate quickly relays information between terminal and CPU.

UniStride™, MicroSage's own advanced UNIX® System V.2 port, contributes to Stride's superior I/O handling and crisp multiuser response. It includes all standard System V features, demand paging, many enhancements from Berkeley 4.3BSD, and dozens of utilities and packages from users and the public domain.

We back each Stride system with years of software and hardware expertise. Since our inception in 1982, MicroSage has maintained a solid reputation for higher performance at lower prices. A wide range of industries are using Stride computers in many different ways around the world. We have over 10,000 installations today.

MicroSage offers an attractive upgrade path for Stride 400 Series computers. Call your Stride dealer for complete details.

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UNIX is a registered trademark of AT&T.

NCR Tower is a trademark of NCR Corporation.



STRIDE

A product group of

MicroSage Computer Systems, Inc.

680 So. Rock Blvd., Reno, NV 89502

702 / 322-6868

Building on the strength of 80,000 users!

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The Stride 640 is the compact desktop workhorse of the Stride 600 line of high-performance multiuser supermicros. It easily fits into small spaces and tight budgets, yet delivers full supermicro speed and processing power. The versatile Stride 640 serves well in a smaller office that needs one cost-effective system for all computing requirements.

The mSBC CPU

The Stride 600 Series is based on the mSBC (multi-function Single Board Computer), a fast 68020 CPU. This low-cost single board supports all major elements for a high-performance system. In the Stride 640, the mSBC supports up to 32M bytes of fast DRAM, 32 serial ports, a 60M or 150M byte high-speed cartridge tape drive, and up to 311M bytes of SCSI internal hard disk storage.

NCR Compatibility

The entire Stride 600 Series is NCR Tower® compatible. No changes are required to install and run one of the world's widest application software bases, including word processors, spreadsheets, office automation packages, communications programs, business graphics packages, and many others. Almost all applications developed for NCR run on Stride, but with one significant difference: the compact Stride 640 runs them faster.

Advanced UNIX®

Each Stride 640 includes UniStride™, MicroSage's own UNIX® System V.2 Port. UniStride™ includes all standard System V features, demand paging, many enhancements from Berkeley

4.3BSD, and dozens of utilities and packages from users and the public domain. Hand-optimized for superior I/O handling and multi-user response, UniStride™ is well equipped for both business and technical applications.

Local Area Network

PCs, workstations, and other computers can share resources with the 640 through any of its ports. The convenience of dedicated processors—and your current investment in them—is enhanced through ready access to a company-wide database or other resource on the 640.

Fast SCSI Bus

Disk-intensive operations are supported with fast SCSI data transfers. The continuous asynchronous rate of transfer is 1.5M bytes per second. External SCSI devices plug directly into the back panel. Special hardware and peripherals, including point-of-sale terminals, are easily integrated into the systems.

Mass Storage Options

A 60M or 150M byte SCSI ¼" tape drive is available on each 600 Series supermicro. The Stride 640 also accommodates a 3.5" microfloppy drive or a 5.25" floppy drive. Additional floppy drives, 9-track systems, or other storage devices attach externally.

Responsiveness

The Stride 640 supports a true 38.4K baud rate on all serial ports. With superior speed in disk and terminal I/O, the 640 gracefully supports a higher number of users without degradation.

Reliability

Built-in safeguards reinforce Stride's inherently dependable design. Individual surge protection circuits shield each serial line from damage from static discharges. Built-in sensors monitor the +5v, +12v, -12v supplies, the battery back-up voltage, the optional standby battery voltage, the temperature, and the air flow over the board.

The operating system periodically reads the sensors, and reports potential problems before major repairs become necessary. An accidentally blocked air vent (or

other simple disorder) is detected before it can mushroom into heat damage. Readings are available under program control for off-site monitoring by modem.

Established Industry Expertise

Since our beginning in 1982, MicroSage products have maintained a solid reputation for higher performance at lower prices. A wide range of industries are using our computers in many different ways around the world. Today we have over 10,000 installations.

Upgrade Path

MicroSage offers an attractive 640 upgrade path for 400 Series users. Call your Stride dealer for complete information.

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CPU/RAM FEATURES

- 16Mhz 68020 CPU standard
- 4M-32M bytes of 100ns parity RAM
- 68851 PMMU standard
Fast 4-state access
- Battery backed-up real-time CMOS clock. Second 1Mhz clock readable to 1 us resolution
- 32K bytes of battery back-up CMOS RAM (160K max.)
- 68881 Floating Point Unit (opt.)

SERIAL PORT FEATURES

- 8-40 RS-232C serial ports
- 38.4K baud max rate on all ports
- CTS, RTS and CD signals supported
- Snap-lock RJ11-C "phone" connectors
- Surge protection circuits

VMEbus INTERFACE

- P1 and P2 connectors
- Single- or double-width Eurocards
- Many third-party products

SCSI INTERFACE

- 91M to 311M bytes SCSI internal hard disk storage — external SCSI connector allows 2-3 additional storage devices
- 60M or 150M byte SCSI high-speed 1/4" tape drive available

SCSI FLOPPY ADAPTOR

- Reads/writes/formats a variety of configurations for three media sizes
- 3.5" microfloppy drives supported DSHD 2.0M unformatted, 1.66M formatted
- 5.25" DSDD floppy drives supported DSDD 320K/640K formatted
- 8.0" floppy drives supported
- Intelligent — on-board CPU & software

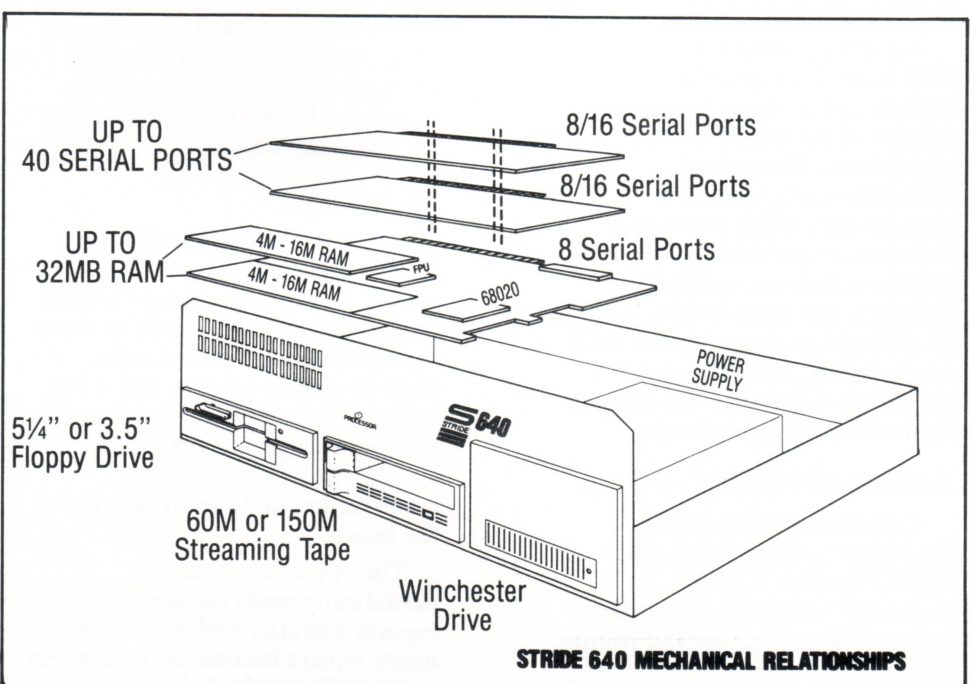
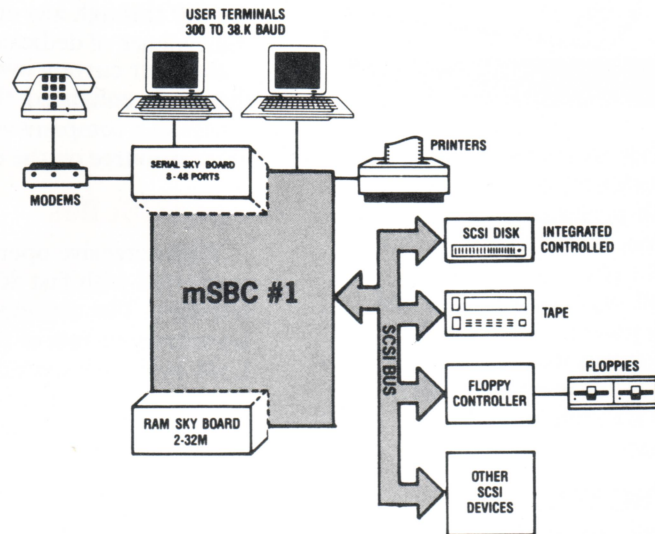
SCSI TO PARALLEL PORT

- Centronics compatible
- Bi-directional

MECHANICS & ENVIRONMENT

- Switching power supplies:
640 has 150W, 660 has 440W/100-127 VAC or 200-253 VAC/50-60 HZ
- Environmental sensors
- Relative Humidity:
20 to 80% noncondensing
- 640 Height = 14.5cm (5.7")
width = 48.0 CM (18.9")
depth = 42.5cm (16.7")
weight = 13Kg to 16Kg
(28-35 lbs.)
- Ambient Temperature
10/40 C (or 50/104 F)
- Complies with Part 15 of FCC rules for a class A computing device

90-DAY WARRANTY



STRIDE 640 MECHANICAL RELATIONSHIPS