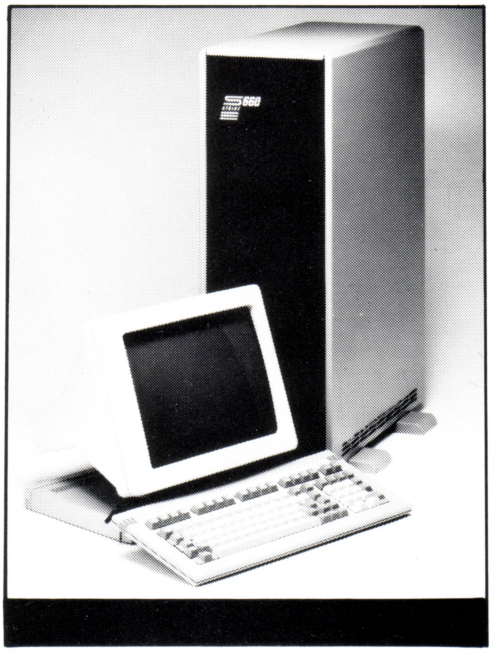


STRIDE 660

The flexible Stride 660 is a high-performance multi-user supermicro with power to spare for future growth. Its cost-effective processing power is adaptable to any high-performance setting, from financial institutions to research facilities to vigorous business offices. Special hardware and peripherals (including point-of-sale terminals) are easily integrated into custom tailored configurations.

For Software flexibility, the Stride 660 is NCR Tower® compatible. No changes are required to run one of the world's widest application software bases, including wordprocessing, 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 Stride 660 runs them faster. Its high capacity and superior overall response rate stand up to heavy systems loads. Fast SCSI data transfers hasten disk-intensive operations. A brisk 38.4K baud serial line rate quickly relays information between terminal and CPU. Even when it's time to add more terminals, the 660 is crisply responsive.

UniStride™, MicroSage's own advanced UNIX® V.2 port, contributes to Stride's superior I/O handling and multi-user 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.

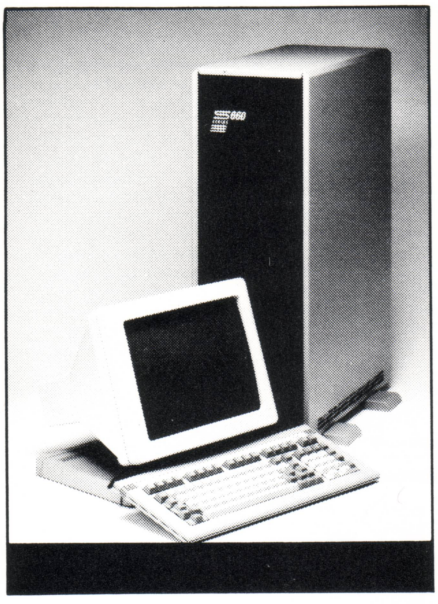
We back each Stride 660 with years of software and hardware expertise. Since our inception in 1982, MicroSage has maintained a solid reputation for higher performance at lower prices. A wide range of industries already use Stride computers in countless applications around the world. We have over 10,000 installations today.

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

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!

STRIDE 660



The Stride 660 is a multi-purpose member of the Stride 600 Series of high-performance multiuser supermicros. Yielding maximum processing power for today's dollar, it also maintains substantial reserves of strength for future growth.

The mSBC CPU

The heart of the Stride 660 is 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 660, the mSBC supports up to 32M bytes of fast DRAM, 40 serial ports, a 60M or 150M byte high-speed ¼" cartridge tape drive, and up to 933M bytes of SCSI internal hard disk storage.

Expandability

The mSBC has ample power to withstand increasing system loads without degradation. An exceptional terminal response rate (38.4K baud on all serial ports) lets more people use the system at once. Fast SCSI data transfers—and ample room for hard disks—support I/O intensive operations.

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: Stride runs them faster.

Advanced UNIX®

Each Stride 660 system includes UniStride™, MicroSage's own UNIX® System V.2 port. UniStride™ conforms to SVID but also features demand paging, many enhancements from Berkeley 4.3BSD, and dozens of utilities and packages from users and the public domain. Optimized for superior I/O handling and multiuser response, UniStride™ is well equipped for both business and technical applications.

Local Area Network

PCs, workstations, and other computers can share resources with the 660 through any of its ports. The convenience of dedicated processors-and your current investment in them—are enhanced through ready access to a company-wide database or other resource on the 660.

Fast SCSI Bus

The Stride 660 supports up to seven internal or external SCSI devices. SCSI data transfers are fast, with a continuous asynchronous transfer rate of 1.5M bytes per second. External SCSI devices plug directly into the back panel. Asynchronous mode disconnect and reconnect signals permit multiple SCSI drives to operate in parallel, enhancing throughput and file-server performance. Special hardware and peripherals are easily integrated into the system.

Mass Storage Options

A 60M or 150M byte SCSI high-speed ¼" tape drive is available on each 600 Series supermicro. The Stride 660 also accommodates a 3.5" microfloppy drive or a 5.25" floppy drive. Additional storage devices of various types can be attached externally to the SCSI bus.

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. An accidentally blocked air vent, or other minor disorder, is detected before it can mushroom into a major repair. 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. Stride computers appear world-wide in a broad range of applications. We have over 10,000 installations today.

Upgrade Path

MicroSage offers an attractive upgrade path to the 600 Series for Stride 400 Series users. Call your Stride dealer for complete information.

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Building on the strength of 80,000 users!

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 933M bytes SCSI internal hard disk storage — external SCSI connector allows 2-3 additional storage devices
- 60M or 150M byte SCSI high-speed ¼" 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

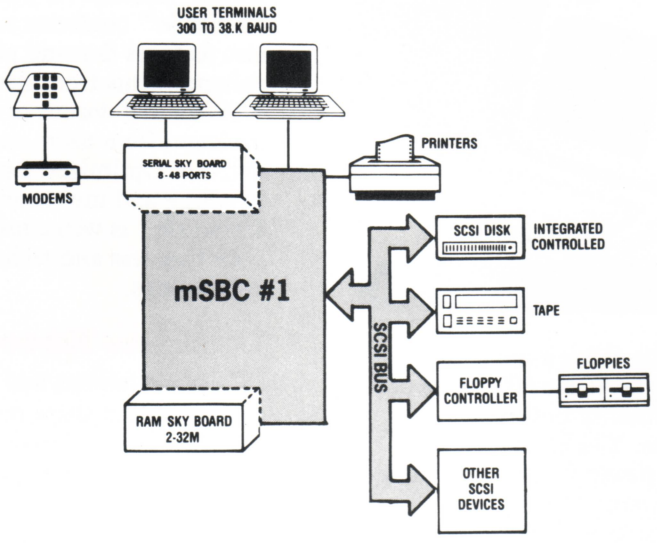
SCSI TO PARALLEL PORT

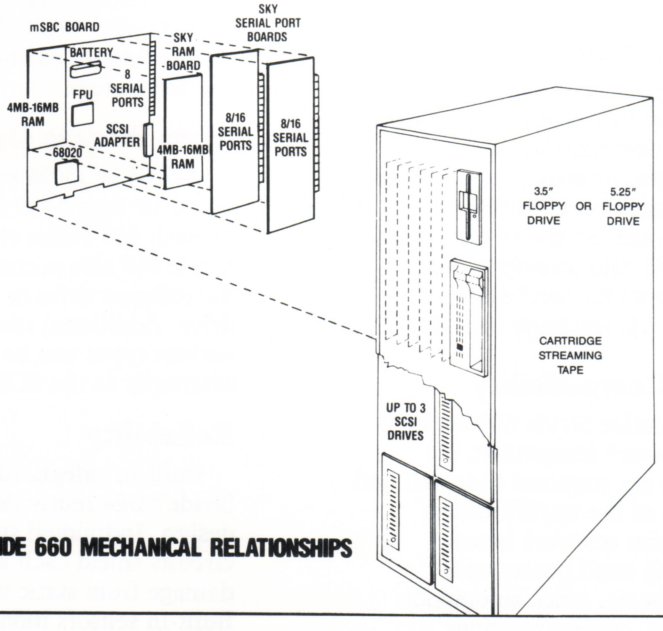
- Centronics compatible
- Bi-directional

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
- 660 height = 69.4cm (27.3")
  width = 23.2cm (9.1")
  depth = 46.3cm (18.2")
  weight = 18Kg to 34Kg
  (40-80 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 660 MECHANICAL RELATIONSHIPS