The Gazelle II from Seattle Computer is an extremely fast microcomputer. It is based on the 10 MHz Intel 8086 CPU and uses a proprietary memory design which enables the Gazelle II to achieve processing speeds and throughput comparable to many minicomputers. The system, housed in a cabinet with optional casters, incorporates 256K bytes of system memory, two double-sided double-density 8-inch disk drives, two RS-232-C ports and one Centronics parallel port, and space for an optional hard disk drive. The Gazelle has an 18-slot regulated S-100 motherboard.

Expansion options include a 15.7 Mbyte (formatted capacity) Winchester hard disk, an 8087 Numeric Data Processor, additional system memory (expandable to 1 Mbyte), and additional serial I/O ports.

Seattle Computer's DiskMaster™ floppy disk controller which is included with the system, will support both 8-inch and 5¼-inch drives in any combination of up to four drives of each size. Two 8-inch drives are provided in the standard configurations. A connector for optional 5¼ inch floppy disk drives is provided at the back of the Gazelle II cabinet.

Extensive software is provided with the Gazelle II, including: the MS-DOS operating system with complete development utilities, a full-screen editor Seattle Computer's FLASH DISK™ (a RAM-disk emulator) and FLASH PRINT™ (a print buffering utility). Seattle Computer also offers applications packages such as Multiplan, WordStar, and Real World accounting packages. Microsoft's BASIC (interpreted and compiled), FORTRAN, Pascal, COBOL and Ryan-McFarland's COBOL are also available. Xenix will be available in early 1984.

FEATURES
- 10 MHz Intel 8086 CPU.
- 8087 Numeric Data Processor optional.
- MS-DOS 2.0 operating system with complete development utilities.
- 256K of System Memory standard, expandable to 1 MByte.
- Optional 15.7 MByte (formatted capacity) Winchester hard disk.
- IEEE-696 (S-100) BUS with extensions (regulated 12 and 5 volts).
- S-100 Motherboard Design — Active and passive bus termination. Interleaved ground plane.
• Two half-height, 8-inch, double-sided, double-density floppy disk drives (2.5 MB total capacity).
• DISKMASTER floppy disk controller capable of controlling up to eight drives, four 8-inch and four 5.25-inch, in any combination.
• S-100 design facilitates easy system expansion.
• Two RS-232 serial and one Centronics parallel ports.
• New, compact, floor-standing enclosure utilizing an efficient, regulated (12 and 5 volt) S-100 bus.
• Screen-oriented and line-oriented text editors included.
• Supports MS-DOS compatible software.
• FLASH DISK™ RAM-disk emulator.
• FLASH PRINT™ print buffering utility.

**SPECIFICATIONS**

**S-100 Design** — Compatible with IEEE-696 specifications, except for the use of a regulated bus which is more efficient and 10 MHz timing which the IEEE does not specify.

**CPU Chip** — Intel 8086-1 specified at 10 MHz. 8 MHz version also available for use with 8 MHz 8087 Numeric Data processor.

**System Memory** — 256K bytes, expandable to 1 Mbyte.

**Memory Organization** — 64K by 8-bits or 32K by 16-bits.

**Disk Drives** — Two half-height 8-inch double sided double density (2.5 Mbyte total capacity) floppy disk drives provided in standard configuration.

**Clock Speed** — For the factory provided 10 or 8 MHz CPUs switch selections provide for alternate half-speed operation, 5 or 4 MHz respectively.

**Wait States** — Four conditions: 1. One wait on all cycles; 2. One wait on memory cycles; 3. One wait on I/O; 4. No waits.

**XTRO** — ON or OFF (when OFF, 8-bit only data transfer).

**Timers** — Four 16-bit programmable timers, two of which may be combined for time-of-day, two for general purpose, or all four for general purpose.

**Fully Interrupt Driven** — 8259A vectored interrupt controllers used throughout.Interrupt structure features programmable priorities and priority rotation, masking.

**Parallel Port** — Centronics parallel output port.

**Serial Ports** — Two Rs-232 serial ports with individually programmable baud rates. Sixteen software selectable baud rates are available, from 50 to 19200 baud.

**Power Requirements** 90V ac to 132V ac or 180V ac to 264V ac (switch selectable). 47 Hz to 440 Hz.

**AC Convenience Outlets** — Two unfused, unswitched ac outlets provided at the back panel. Outlets provide 112V ac @ 15A or 230V ac @ 7.5A based on input voltage selected.

**Operating Environment** 0°C to 70°C.

**System Cooling** — Chassis mounted fan provides positive pressure cooling to the system.

**RFI/EMI Certification** — FCC Class A verified for RFI/EMI emissions.

**Physical Dimensions** — Height - 26.0", Width - 14.75", Depth - 26.0", Weight - 70 lb.

**Enclosure** — Modular design for easy access.

**Limited Warranty Summary**
When sold by Seattle Computer or through an authorized Seattle Computer dealer, this product is warranted to the end-user for a period of 90-days for both parts and labor. When sold to the end-user by an OEM, the warranty terms vary. Consult your OEM for specific warranty coverage. Seattle Computer offers repair service for its manufactured products beyond warranty coverage. This is a summary of the warranty. A complete warranty statement is printed in the product manual and is also available from Seattle Computer upon request.

**ORDERING INFORMATION**

SCP-820 Gazelle II Microcomputer with Two 8-inch floppy disk drives
SCP-830 Gazelle II Microcomputer with one 8-inch floppy disk drive and a 15.7 Mbyte hard disk.