

POINT 4's MARK 8: POWERFUL, HIGH-PERFORMANCE FOR MULTIPLE USERS

The MARK 8 is a high-performance, high-capacity multi-user computer designed to meet demanding business requirements. It supports up to 64 users concurrently with fast response times for diverse business applications. The MARK 8 utilizes advanced technology to achieve its high throughput, and it combines with a broad selection of peripheral devices to make it an extremely flexible and powerful business computer system.

The MARK 8 is supported by POINT 4's Interactive Real-time Information System, IRIS.* IRIS is a high-performance, time-sharing operating system capable of supporting a large number of concurrent users. Applications that execute under IRIS are written in Business BASIC. IRIS Business BASIC is a commercial dialect of BASIC, one of the most popular programming languages in existence today. IRIS Business BASIC offers the user a wide

range of commercial applications from which to choose and the tools to readily implement one's own.

MARK 8 FEATURES

- Powerful and flexible system architecture
- Extended instruction set for high-speed processing
- IRIS and BLIS/COBOL operating systems support
- Virtual control panel
- Built-in, self-test diagnostics
- Configuration versatility
 - Industry-standard peripheral subsystems
 - High-speed DMA multiplexers
 - Powerful LOTUS solid-state disk cache memory
- CPU and memory on single 15 x 15 inch board
- Battery back-up (optional)
- High-speed, 16-bit CPU with 400 nanosecond cycle time
- Standard extended warranty



The above system represents an expanded MARK 8 configuration.

POWERFUL AND FLEXIBLE

The power to support a large number of concurrent users is the key feature of POINT 4's MARK 8. It supports up to 64 users with exceptionally fast response times. The flexible MARK 8 accepts a wide range of industry-standard peripheral devices and controllers. POINT 4 disks and controllers, high-speed DMA multiplexer, LOTUS Cache Memory* and video display terminals can all be combined with the MARK 8 to produce a complete business computer system. The MARK 8 allows the user to more precisely tailor a system to suit today's needs and to meet future growth requirements.

MULTI-USER SYSTEMS DESIGNED WITH YOUR NEEDS IN MIND

ADVANCED TECHNOLOGY

The MARK 8 is the result of the latest in high-technology developments. It uses a proprietary MSI, bit-slice implementation of its architecture. The entire central processing unit (CPU) is controlled by a flexible, microprogrammed sequencer that facilitates high-speed operation. The cycle time of the central processor and the main memory is 400 nanoseconds. This powerful processor can sustain instruction execution rates of up to two and a half million instructions per second (MIPS). This impressive performance is further enhanced by the sequencer which fetches one instruction while executing another.

RELIABILITY

The MARK 8 has a remarkable record of reliability. This is a critical factor in the selection of a business computer system, since a system is only as good as long as it's available for use. The MARK 8 has received high praise from customers for its ongoing and consistent reliability. POINT 4 has the confidence in the product to offer it under an extended warranty.

POINT 4's MARK 8 combines the tremendous power of a state-of-the-art minicomputer with the flexibility of the IRIS Operating System for a multi-user, time-sharing system that is capable of handling a wide variety of applications, quickly and efficiently.

The MARK 8, the choice for excellence in a high-performance, multi-user business data processing system.

SPECIFICATIONS

CPU/MEMORY BOARD

Word Length:

16-bits

Memory Cycle Time:

400 nanoseconds

RAM Access Time:

200 nanoseconds

Microprogram Cycle Time (variable):

100 to 200 nanoseconds

Memory:

128K bytes, optional cache memory to 4M bytes

Packaging:

CPU and 128K bytes on-board RAM on a single 15-inch square board

CONFIGURATIONS

The MARK 8 is available in a wide range of configurations, from board-level components to complete, packaged systems.

A complete entry-level system includes:

- MARK 8 CPU with 128K bytes RAM with extended instruction set
- 7-slot chassis and power supply
- Battery back-up unit
- 35M byte 8-inch Winchester disk drive and controller
- 20M byte 1/4-inch streaming tape drive and controller

- 8-port DMA multiplexer
- 30-inch, desktop-height cabinet
- License for IRIS Operating System

The flexibility of configurations which are available allows the reseller to tailor the system to best fit the business requirements of each.

POINT 4: RESPONSIVE TO OUR CUSTOMERS' NEEDS

At POINT 4 Data Corporation, our business is multi-user systems with a personal touch. We design and manufacture computer systems, distribute them through a worldwide network of value-added resellers and support those resellers with personal service.

POINT 4 computer systems are flexible, cost-efficient, expandable and upward compatible. And we're working for the future, developing new and better products and planning more and better ways to support our customers.

The materials contained herein are intended for general information. Details and specifications concerning the use and operation of POINT 4 Data Corporation's equipment and software are contained in the applicable technical manuals, available through local sales representatives.

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Printed in U.S.A. PB07/3M/11-83