

## 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.*

\*IRIS and LOTUS Cache Memory are trademarks of POINT 4 Data Corporation.



2569 McCabe Way, Irvine, CA 92714 • (714) 863-1111 • TWX: (910) 595-1113 • Telex 4722040P4DC

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