

## **he Eagle 1600 Series Computer**

A new breed of Eagle has arrived!

It's the Eagle 1600 Series 16-bit super micro, your ticket to minicomputer performance at a microcomputer price. From Eagle Computer, architects of the most practical, economical personal and small business computers available today.

In the vanguard of a new generation of 16-bit microcomputers, the Eagle 1600 Series gives you as much as four times the computational power of an ordinary microcomputer.

Its powerful Intel 8086\* 16-bit processor speeds the throughput of information so you get more work done in a fraction of the time. And you spend less time transferring data to and from disk, because the vast internal memory makes more of your information instantly available to the processor.

The generous 128 Kilobyte main memory of the Eagle 1600 Series is expandable to a massive 512 Kilobytes by merely adding memory chips. Both Winchester hard disk and floppy disk drives are conveniently located in the processing unit enclosure. Combined, they give you a data storage capacity equivalent to 6,000 pages of double-spaced text.

Should you need to further expand your data storage capacity later, just plug in an Eagle File 10 or File 40 Winchester hard disk drive for 10 or 40 Megabytes of additional data storage, for up to a total of 80 megabytes.

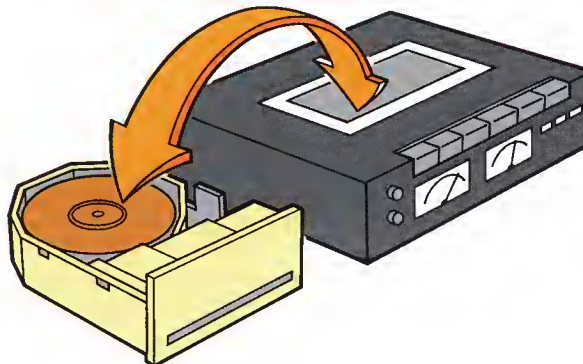
Nothing can touch the Eagle 1600 Series for future expandability. Connect it to a network of Eagle computers to create a complete distributed processing system as your data and word processing needs grow. The Local Area Networking option will allow you to add up to 64 independent work stations that will communicate with each other and share resources, such as information, printers and storage devices.

Because it is compatible with the IBM Personal Computer,\* you can buy IBM software off the shelf, insert the diskette into your Eagle 1600, and run the program. Eight slots are available for IBM plug-compatible boards, which may be installed for optional peripherals, such as printers, telecommunication devices, color monitors and the like.

Like all Eagle computers, the Eagle 1600 Series is a complete, ready-to-use system, with reliable hardware and top-rated software included. Just plug it in, flip the switch, and you're in business. You get greater power and flexibility with the same Eagle simplicity.

With most 1600 Series models you receive powerful programs for **Word Processing** and **Financial Planning** that are as "user friendly" as any you will find. They understand English language commands and have menu selection and "help" instructions that guide you smoothly through every operation.

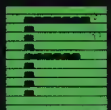
Add optional application software like Data Base Management, General Accounting, Medical and Dental Practice Management, or CPA Accounting, and the Eagle 1600 Series will meet all your business computing needs far into the future.



### **Mass Storage Back-Up.**

Optional video cassette interface allows the files from the Eagle 1600 hard disk drive to be stored on a standard video cassette recorder.





## Features & Options

The Eagle 1600 Series has 16-bit supermicro performance with all the Eagle earmarks of compact good looks and versatility, in a complete, ready-to-use system.

It comes fully equipped with powerful but friendly software, and has disk storage located right inside the low-profile processing enclosure. Detached video monitor and keyboard can be

repositioned for operator comfort and convenience.

Standard with the Eagle 1600 Series is a 12-inch, high-resolution, anti-glare green phosphor video display for superior readability. For those who prefer it, an amber or color monitor is available as an alternative.

The Eagle 1600 Series uses an Intel

8086\* processor for fast data processing. The availability of two

industry-standard operating systems, MS-DOS\* and CP/M-86\*, puts a huge library of IBM Personal Computer\* software at your service. Optional software available from Eagle Computer includes General Accounting, Medical and Dental Practice Management, and CPA Accounting.



Free-standing video display unit can be positioned atop the processor enclosure, or wherever most convenient. Anti-glare screen for superior readability is 80 characters wide and 25 lines long.

Word Processing software that speeds letters, reports and mass mailings. Financial Planning software, an "electronic spreadsheet" with full "what if" capabilities. Both understand English commands, and are easy to use. Operating system is compatible with IBM Personal Computer software.

8 IBM Personal Computer compatible expansion slots.

Two RS-232 serial ports allow printing and asynchronous or synchronous communications. One parallel port provided for printing.

Hard disk drive and floppy disk drive conveniently located in sleek processing enclosure puts generous storage capacity at your fingertips.

Detachable slimline keyboard with extra-long cord can be easily repositioned for maximum operator comfort.

105 key stations with full numeric keypad for rapid entry of numbers. 24 user-definable keys let you perform with a single keystroke functions that would normally require several.



\*Intel 8086 is a registered trademark of Intel Corp.

MS-DOS is a registered trademark of Microsoft, Inc.

CP/M-86 is a registered trademark of Digital Research, Inc.

IBM is a registered trademark of International Business Machines.



The Eagle 1600 Series is fully and easily upgradable, with a host of options available from Eagle Computer as well as other manufacturers. Its generous 128 Kilobyte main memory is expandable to 512 Kilobytes. Eight IBM Personal Computer compatible expansion slots leave room for you to add options as you

need them. Two RS-232 serial ports and one parallel port are provided for printing and communications.

When you want extra data storage, just plug in an Eagle File 10 or File 40 Winchester hard disk drive, for 10 or 40 Megabytes

of added storage capacity. Because the Eagle 1600 Series drives most available printers, you can select the letter-quality and/or high-speed draft printers that best suit your requirements.

Other current or planned options for the Eagle 1600 Series include:

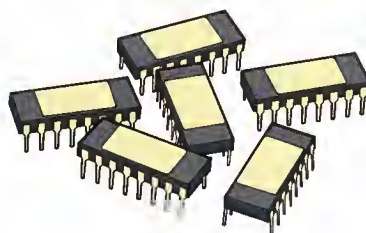
- Video tape backup
- Color graphics controller for high-quality color graphics
- 8-port RS-232 adaptor for multiuser applications.



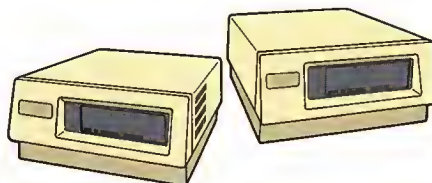


## Eagle 1600 Series Options

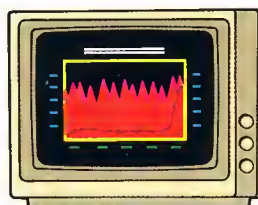
Model	Product Description
<b>Math Kit/16</b>	<b>Math Processor</b> An 8 MHz floating point math processor for engineering and scientific computation
<b>EagleNet/16 File Server</b>	<b>Network Interface</b> Peripheral used with Eagle hard disks to provide local area networking (LAN) for up to 64 8-bit or 16-bit CPU's.
<b>Eight Port</b>	<b>Interface PCB's</b> Provides 8 asynchronous RS-232 ports for use in multi-user environments such as MP/M-86; one serial port per terminal.
<b>Video CRT/</b>	Provides monochrome display unit with high resolution text and graphics (720x352); one included with each 1600 series model.



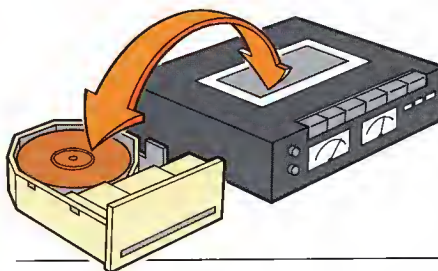
**Main System Memory Expansion**  
with the MEM Kit/16 provides additional 384 kilobytes of dynamic memory, upgrading standard 128K system to 512K in sockets already provided on mother board.



**Hard Disk (Winchester) Storage**  
File 10/16 and File 40/16 provide 10 and 32 megabytes storage capacity, respectively. A Two Disk Kit/16 is required for attaching more than one drive on a system.



**High Resolution Color Video Board and Monitor:** Interface PCB provides high resolution text (7x9) and 16 color graphics (720x352) for use with 18.7 KHz high resolution Eagle color monitor (11x14 dot cell).



**Mass Storage Back-up** Video Cassette Adaptor Board provides up to 80 megabytes of formatted storage on video tape recorder.

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## Local Area Network

Connected by the mighty Eagle 1600 series, your Eagle computers become a complete, interactive business system.

With some early microcomputers "stand-alone" meant exactly that. Foremore. Adding a second computer to achieve an interactive system often meant replacement of existing hardware.

The local area network option of the Eagle 1600 series lets you gradually add up to a total of 64 other Eagle Computers, both 16-bit and 8-bit models, to expand

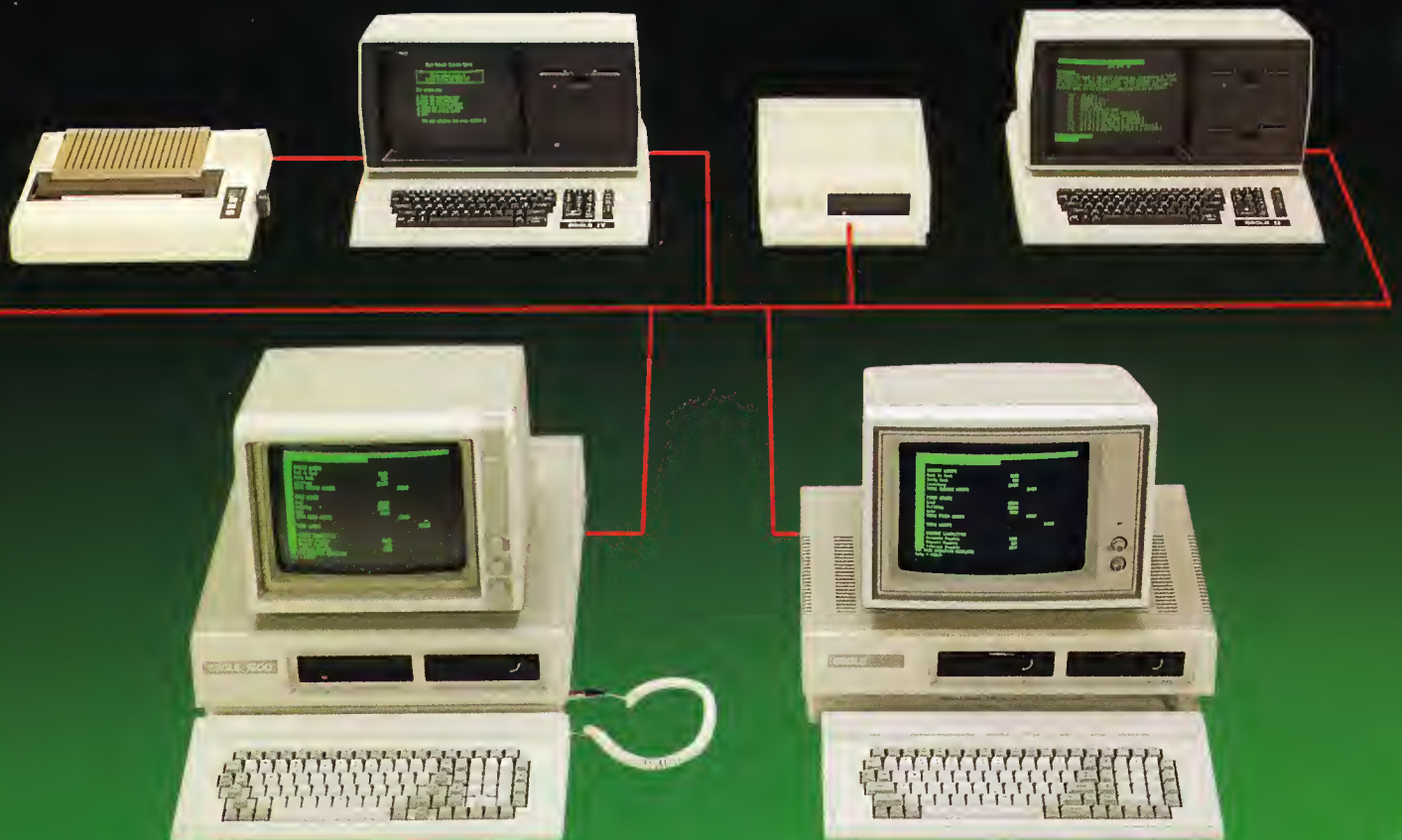
your system as your needs grow. It's the cost-effective way to increase productivity of your information and data processing system. You can build up to the processing power of a mainframe. As you need it. At a fraction of the cost. And without the major initial investment.

Each station in your network is a fully functioning computer that shares with the others a large common database and peripheral equipment such as printers and mass storage devices.

Full computer function at each station

also means your network can't be totally shut down by the breakdown of a central mainframe's network management unit.

So, while you're at your computer reviewing your current P&L statement, a secretary can be personalizing mass mailing, and an accountant updating accounts receivable.



## Multi-User

Even without its many expansion options, the Eagle 1600 has more than enough computational power and data storage to keep well ahead of the input from one user at a single workstation.

But add our optional memory kit to quadruple the 128 kilobyte main memory to 512 kilobytes. Plug in one or more Eagle File 10 or File 40 hard disk drives to expand storage. Then, you'll certainly want to consider the benefits of multi-tasking and economy of additional user

access through relatively inexpensive terminals. Above and beyond local area networking, each Eagle 1600 series computer will support up to eight terminal work stations through the use of a multi-user operating system.

Sharing the disk capacity is done by assigning different physical locations on the disk. Modems, printers, back-up video storage and other peripherals may also be shared. Host hardware and software are unaffected and require no modifications.

Such a multi-user, multi-tasking system

allows users to share costly software and machine resources while performing different tasks. That means work gets done faster and more economically than you dared hope.

With its telecommunications capability, the Eagle 1600 connects you to the office across the country, or to timesharing on a remote mainframe computer.

Combine these features with the networking ability, and the Eagle 1600 series becomes your key to a system vast in scope and performance.





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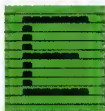
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**Eagle Computer, Inc.**

Since the first Eagle computer was delivered, complete with remarkably user friendly software, Eagle Computer, Inc. has prospered by providing the most practical, friendly economical small business systems available.

Eagle Computer has demonstrated rapid growth as a manufacturer of quality products. The benefit of this expertise in producing reliable, highly efficient, economical computers is applied to the needs of businesses worldwide by Eagle Computer in a full line of small business systems.

**Service and Support**

Every Eagle computer is fully inspected and tested for dependable operation before it leaves the factory. Eagle computers are covered by a 90-day limited warranty for labor, and one year for parts.

Should service be required, it is readily available either directly from Eagle Computer, or from a nationwide network of authorized dealers whose technicians are factory trained by Eagle Computer, Inc.

National service is also available from Bell & Howell's network of over 600 field services representatives, from 175 service locations across the country.

