

# 6/12/18 MEGABYTE

## Winchester Disk Systems for the IBM PERSONAL COMPUTER



### Set Your IBM PC Free With a Corvus Winchester

Free your IBM Personal Computer from the restraints of its diskette drives with Corvus Winchester disk systems. The Model 6, Model 11, and Model 20 combine the latest in 5¼ inch Winchester technology with the experience gained from supplying tens of thousands of Winchester disk systems to microcomputer users around the world. All Corvus disk systems can be supplied with our MIRROR® Winchester backup system for fast backup and archival storage. Corvus disk systems are also network ready, offering an easy growth path as your needs expand.

### The Disk System That Stays With You

As your data storage and communication needs expand, your Corvus disk system can expand with you. Because it's always network-ready, you can connect it to a Corvus OMNINET™ local area network. These networks let more than 60 computers of the same or different brands share the disk system, printers, and other peripherals, and provide inter-computer communication. No matter where your needs may take you, you can't outgrow your Corvus.

### Proven Technology at Your Fingertips

Corvus 5¼ inch disk systems set new reliability standards for mass data storage devices. Thin-film plated media allow greater bit densities without sacrificing data integrity. The sealed environment keeps dust, smoke, and other particles from coming in contact with the read-write heads or the magnetic media. The built-in cooling fan and conservatively rated power supply help to assure hours of trouble-free operation. And the field-proven Corvus disk controller uses its own microprocessor to insure rapid, reliable data transfer

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with such features as read-after-write verify, automatic error retries, transparent formatting with CRC (Cyclic Redundancy Check) Error Detection, and high-speed data transfer using DMA (Direct Memory Access). Corvus disk systems have proven to be so reliable that they require no preventive maintenance.

### Disk System Software

Your disk system comes with flexible Corvus Constellation II software. You have your choice of support for either the PC-DOS 1.1 or the PC-DOS 2.0 Operating System. Total compatibility with all PC-DOS commands and utilities allows you to use your existing programs with little or no modification. Corvus also provides sev-

eral utilities for disk system diagnostics, controller code update, floppy diskette backup, and operation of the MIRROR storage backup system. All software and utilities programs are supplied on 5¼ inch, single sided single density diskettes.

### Other Corvus Compatible Computers

Back in 1979, Corvus pioneered the Winchester disk system for microcomputers, and over the years, the name "Corvus" has come to mean "mass storage." Today, we make Winchester disk systems for most popular microcomputers, and we've made more of them than anyone else in the world. In addition to the IBM Personal Computer, the list of Corvus compatibles includes Apple II, IIe and III,

TRS-80 Models II, III, and 12, Xerox 820 and 820-II, Zenith Z-100, DEC VT180, NEC PC-8000, Atari 800, Osborne 1, and such S-100 Bus computers as Vector Graphic and North Star.

And of course, all Corvus disk systems connect to the revolutionary Corvus Concept™ personal workstation.

### Service

All Corvus disk systems come with a six (6) month parts and labor warranty, and warranty extensions of up to 24 additional months are available. Service is available at any one of our Authorized Service Centers around the world. In addition, on-site service may be available in your area. Ask your Corvus dealer for details.

## SPECIFICATIONS

MODEL NUMBER	MODEL 6	MODEL 11	MODEL 20	PHYSICAL DIMENSIONS	MODEL 6, 11, and 20
<b>Capacity (megabytes)</b>				<b>Height (inches/centimetres)</b>	5.75/14.6
Unformatted	7.0	14.0	21.0	<b>Width (inches/centimetres)</b>	12.0/30.5
Formatted	5.9	12.1	18.4	<b>Depth (inches/centimetres)</b>	15.0/38.1
<b>Disks</b>				<b>ENVIRONMENTAL SPECIFICATIONS</b>	
Number	1	2	3	<b>Temperature (°F/°C)</b>	
Data Surfaces	2	4	6	Operating	50° to 120°/10° to 50°
Tracks per Surface	306	306	306	Non-Operating	-40° to 140°/-40° to 60°
Diameter (inches/centimetres)	5.25/13.3	5.25/13.3	5.25/13.3	Variation	18°/10° per hour
<b>PERFORMANCE</b>				<b>Humidity (non-condensing)</b>	
				Operating	10% to 80%
<b>Access Time (milliseconds)</b>				Non-Operating	10% to 90%
Minimum			29	<b>Altitude, Operating (feet/metres)</b>	-1,000 to 10,000/ -305 to 3,050
Maximum			135	<b>POWER REQUIREMENTS</b>	
Average			68	<b>Voltage</b>	100, 120, 220, or 240 volts (selectable)
<b>Average Latency Time (milliseconds)</b>			8.33		50/60 Hz, single phase AC
<b>Disk Rotational Speed (RPM)</b>			3,600	<b>Typical Consumption</b>	150 volt amperes
<b>Peak Transfer Rate (kilobytes/second)</b>			687.5		

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