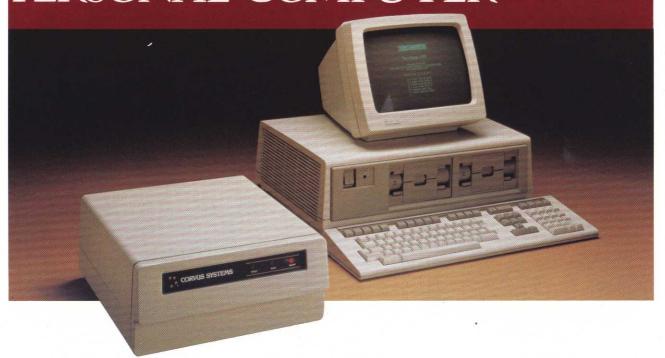# 6/12/18 MEGABYTE
Winchester Disk Systems for the
DEC RAINBOW 100
PERSONAL COMPUTER

Features and Benefits

- Proven sealed-environment Winchester technology.
- Fully compatible software and plug-in compatible hardware.
- Added convenience, plus 100 times the capacity and many times the speed of floppies.
- Wide range of Corvus compatible application software available.
- Network ready—2 to 64 nodes.
- Automatic power-on self-diagnostics.
- Proven low-cost backup.
- From Corvus—world's largest supplier of Winchester disk systems.

The Latest in Winchesters for Your DEC Rainbow 100

Give your DEC Rainbow 100 Personal Computer the benefits of the finest Winchester technology available today with a Corvus Winchester disk system. The Model 6, Model 11, and Model 20 all feature the compact, quiet 5¼ inch design that has been field-proven in thousands of installations. Corvus, the world leader in mass storage for microcomputers, also offers the low cost Corvus MIRROR® Winchester backup and high performance networking capabilities.

Ready to Network When You Are

Right out of the box, all Corvus disk systems are already prepared to meet your future needs. That's because they're compatible with Corvus OMNINET™ local area networks, which allow several computers of the same or different brands to share the disk system. No matter what your networking or mass data storage needs may be, Corvus can help you meet them.

Proven Technology

Corvus disk systems take advantage of such technology features as superior head positioning systems and thin-film plated media which allow reliable data storage with higher bit densities. These systems are truly designed to withstand the temperature and vibration ranges common in microcomputer installations. They incorporate such features as a spindle brake to protect the drive during shipping and handling. The field-proven Corvus intelligent controller insures rapid, reliable data transfer because it is matched so closely to the performance capabilities of the Winchester disk. Such features as read-after-write verify, transparent formatting with CRC (Cyclic Redundancy Check) Error Detection, and high-speed transfer using DMA (Direct Memory Access) fur-

CORVUS SYSTEMS

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ther insure data integrity. Corvus disk systems are so reliable that they require no preventive maintenance. Tens of thousands of them are in daily use worldwide.

Corvus Software

Corvus provides BIOS drivers for the Rainbow's unique CP/M-86/80 operating system. Total compatibility with this operating system's commands and utilities allows you to easily take advantage of the fast on-line storage with your existing programs. Volumes on the disk system are referenced as simple extensions of floppy volume letters (E, F, etc.)

Corvus provides several CP/M utilities for disk diagnostics, controller code update, and operation

of the Corvus MIRROR backup system. All Corvus disk systems for the DEC Rainbow 100 are supplied with software and utility programs on 5¼ inch single density diskettes.

Service

All Corvus disk systems are supplied with a six (6) month parts and labor warranty. Warranty extensions of up to 24 additional months are available at extra cost. If your Corvus disk system should ever require service, you can take it to any one of our Authorized Service Centers around the world. In addition, on-site service may be available in your area. Check with your dealer for details.

Other Corvus Compatibles

Since Corvus pioneered Winchester disk systems for microcomputers in 1979, we have sold more than anyone else in the world.

Corvus compatible computers include the following:
- Apple II, IIe, and III
- TRS-80 Models II, III and 12
- Zenith Z100
- Osborne 1
- Xerox 820 and 820 II
- IBM Personal Computer
- NEC PC-8000
- Atari 800
- S-100 Bus Systems
- Corvus Concept Personal Workstation

The list keeps growing. Ask your dealer for details.

SPECIFICATIONS

MODEL NUMBER	MODEL 6	MODEL 11	MODEL 20
Capacity (megabytes)			
Unformatted	7.0	14.0	21.0
Formatted	5.9	12.1	18.4
Disks			
Number	1	2	3
Data Surfaces	2	4	6
Tracks per Surface	306	306	306
Diameter (inches/centimetres)	5.25/13.3	5.25/13.3	5.25/13.3

PERFORMANCE	MODEL 6, 11, and 20
Access Time (milliseconds)	
Minimum	29
Maximum	135
Average	68
Average Latency Time (milliseconds)	8.33
Disk Rotational Speed (RPM)	3,600
Peak Transfer Rate (kilobytes/second)	687.5

PHYSICAL DIMENSIONS	MODEL 6, 11, and 20
Height (inches/centimetres)	5.75/14.6
Width (inches/centimetres)	12.0/30.5
Depth (inches/centimetres)	15.0/38.1

ENVIRONMENTAL SPECIFICATIONS

Temperature (°F/°C)	
Operating	50° to 120°/10° to 50°
Non-Operating	−40° to 140°/−40° to 60°
Variation	18°/10° per hour
Humidity (non-condensing)	
Operating	10% to 80%
Non-Operating	10% to 90%
Altitude, Operating (feet/metres)	−1,000 to 10,000/ −305 to 3,050

POWER REQUIREMENTS

Voltage	100, 120, 220, or 240 volts (selectable)
Typical Consumption	150 volt amperes

★★ CORVUS SYSTEMS

Corvus Systems reserves the right to change specifications without notice or obligation.