

2200

Model 2275 Disk Peripherals

INTRODUCTION

The Model 2275 Disk Peripheral adds on-line storage capacity to a 2200 VP, LVP, LVPC, MVP, or MVPC Central Processing Unit (CPU). The disk peripheral comes in four versions: Models 2275-10 and 2275-30 and Models 2275-20 and 2275-60. The disk peripheral is compatible with any other 2200 disk drive for transferring data processing software, word processing software, and related files. Low cost and compact design make the Model 2275 Disk Peripheral a welcome disk storage addition for 2200 system users.

PHYSICAL DESCRIPTION

Models 2275-10 and 2275-30 contain one Winchester (fixed) disk drive and one diskette (removable)

drive. Models 2275-20 and 2275-60 have two Winchester drives.

A 5 1/4-inch Winchester drive appears in the bottom position of the disk peripheral, with a 5 1/4-inch diskette drive (Models 2275-10 and 2275-30) or another 5 1/4-inch Winchester drive (Models 2275-20 and 2275-60) in the top position (see Figure 1). The back panel of the disk peripheral contains an ON/OFF switch, a line cord connector for the power supply, a 36-pin disk interface cable connector, and a quiet 50 cubic-foot-per-minute (cfm) cooling fan (see Figure 2).

Models 2275-10 and 2275-30

In Model 2275-10 and 2275-30 Disk Peripherals, the Winchester drive has a fixed storage capacity of

10 and 30 megabytes (MB) respectively and is formatted to 256 bytes per sector (bps). The diskette drive uses a 5 1/4-inch dual-sided double-density (DSDD) diskette for removable storage. Two DSDD diskette formats are supported by the Models 2275-10 and 2275-30: 256 bps and 512 bps. All 2200 data and word processing applications use the standard 256-bps format, which provides a storage capacity of 320 kilobytes (KB). The 512-bps format, which is the Wang Professional Computer (PC) format, is used for interchange purposes. The 512-byte sectoring is transparent to the 2200 operating system. The Disk Processing Unit (DPU) maps two 2200 256-byte logical sectors into one 512-byte physical sector.

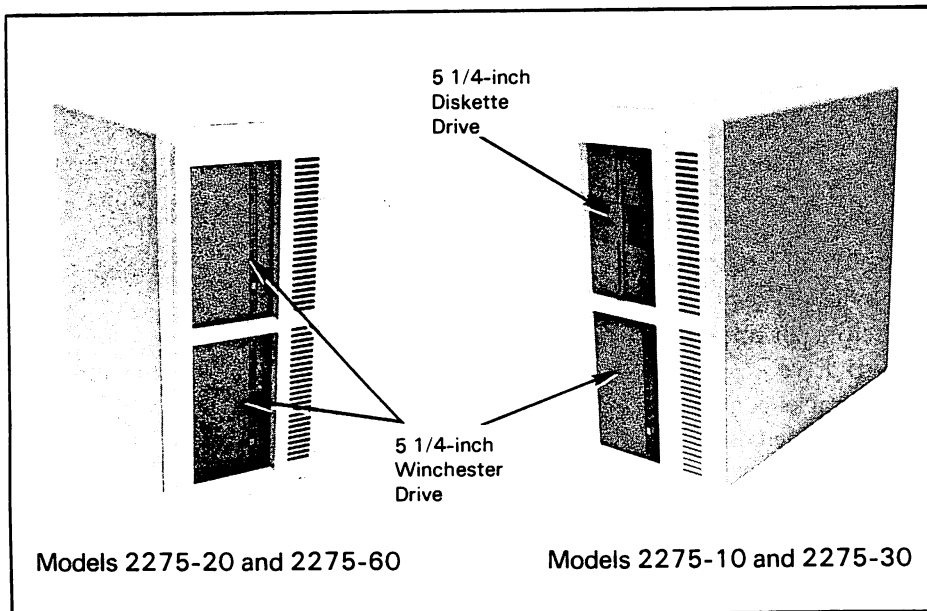


Figure 1. Model 2275 Disk Peripheral

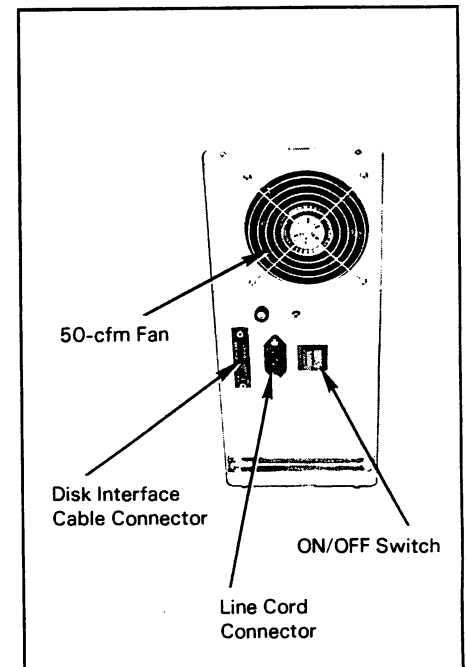


Figure 2. Back Panel

ONE INDUSTRIAL AVENUE
 LOWELL, MASSACHUSETTS 01851
 TEL. (617) 459-5000
 TWX 710-343-6769, TELEX 94-7421

McGurren, B.

0115

The 2200 BASIC-2 programming language accesses diskettes with the 512-bps format as if the platter were formatted with 256-byte sectors. All 2200 BASIC-2 disk operations can be performed.

Models 2275-20 and 2275-60

Model 2275-20 and 2275-60 Disk Peripherals have dual 5 1/4-inch Winchester drives. The Winchester drives have fixed storage capacities of 10 and 30 MB respectively and are formatted to 256 bps. The total capacity of Models 2275-20 and 2275-60 is 20 MB and 60 MB respectively. These units have no removable storage.

CONNECTION TO 2200 SYSTEM

The disk peripheral is connected through a 36-pin disk interface cable (Part No. 220-0105-4) to the appropriate 2200 Single (22C03), Dual (22C11), or Triple (22C32) Controller, depending upon the 2200 configuration. The cable is connected to the 2200 controller and addresses are set for each drive on the controller. The user configures the 2200 system to include the disk addresses in the device table.

ORDERING INFORMATION

A line cord for the power supply, a disk interface cable, and a 5 1/4-inch diskette containing the

2200 BASIC-2 operating system are automatically enclosed with each unit. Additional 5 1/4-inch diskettes can be purchased separately. If Models 2275-20 or 2275-60 are purchased, another disk device with removable storage should also be available for transferring data to the units.

SPECIFICATIONS

Physical

Height
14.9 in. (37.8 cm)
 Width
6.5 in. (16.5 cm)
 Depth
16.0 in. (40.6 cm)
 Weight
23 lb (10.4 kg)

Storage Capacity

Model 2275-10
10 MB fixed; 320 KB removable
 Model 2275-20
20 MB fixed
 Model 2275-30
30 MB fixed; 320 KB removable
 Model 2275-60
60 MB fixed

Winchester Disk Format

256 bytes per sector
 32 sectors per track
 10-MB drive
304 tracks per side
2 dual-sided disks
 30-MB drive
508 tracks per side
4 dual-sided disks

Diskette Format

(Models 2275-10 and 2275-30 only)
 256 bytes per sector
 16 sectors per track
 40 tracks per side — two sides
 320-KB capacity
 512 bytes per sector
 (for interchange with PC)
 9 sectors per track
 40 tracks per side — two sides
 360-KB capacity

Power Requirements

Maximum Input Power
330 volt-amperes
 Maximum Heat Dissipation
960 Btu/hr (240 kg-cal/hr)
 AC Supply Voltage
115 VAC/60 Hz,
230 VAC/50 Hz
 NEMA Power Receptacle
5-15IG

Cable Lengths

Data
12.0 ft (3.6 m)
 Power
6.0 ft (1.8 m)

Environmental Requirements

Ambient Temperature (range)
50°F to 90°F (10°C to 32°C)
 Relative Humidity (noncondensing)
10% to 80%

Standard Warranty Applies

Wang Laboratories, Inc., reserves the right to change specifications without prior notice.