

AED Double Density Floppy Disk Subsystems

AED 6200LS Single Head

- Shugart SA800-2R Drives
- 630,784 bytes of data per drive
- 2,523,136 bytes on four drives
- Available in Kit form
- MFM encoding
- Upgradeable to dual head drives

AED 6200LD Dual Head

- Shugart SA 850-2R Drives
- 1,261,568 bytes of data per drive
- 5,046,272 bytes on four drives
- Available in Kit form
- MFM encoding
- Cylinder or track recording





Interfaces

The AED 6200LS and AED 6200LD subsystems, require an interface or adaptor board to be compatible with a particular mini or micro computer. 16 bidirectional data lines (alternatively 8 bits = 1 byte), plus seven command and sense lines comprise the bus between the AED 6200 formatter and the computer interface. The following interfaces are currently available from AED:

Digital Equipment Corporation

LSI-11 DMA (Q-BUS) PDP-11 DMA (UNIBUS) Card plugs into CPU Accepts UNIBUS cable. I/F mounts in AED 6200 cabinet.

Two cards plug into CPU

PDP-8 (OMNIBUS) DMA&PIO

Data General Corporation

NOVA/ECLIPSE DMA

Single card plugs into CPU

MICRONOVA DMA

Single card plugs into CPU

Hewlett Packard

HP21MX DMA & PIO

Single card plugs into CPU Sperry/Univac (Varian)

V70 Series BIC

Single card plugs into CPU

Interdata

7/16 Series MUX/SELCH

Full width or half card plugs into CPU

7/32 Series MUX/SELCH

Full width or half card plugs into CPU

Other Interfaces

The user can obtain sufficient information from AED to design an interface or, if the quantities warrant the design, AED will develop special interfaces for customers.

Powered Cabinet or Kit

The AED 6200 is normally provided complete with cabinet, control panel, drives, and interface. However, a user may order drives directly from the manufacturer and either integrate the drives at his facility or drop-ship the drives to AED for integration. For particular applications where the

drives are to be remoted from the AED electronics, the user may order just the formatter, drive electronics, interface, cables and power supply from AED as a fully tested "Kit".

Expansion Cabinet

The AED 6200LS/2 expansion cabinet provides controls, power and cables for two more drives for a total capability of four drives in two low-profile cabinets. The AED 6200 LD/2 likewise expands the AED 6200LD system to a fourdrive capability.

Cables & Slides

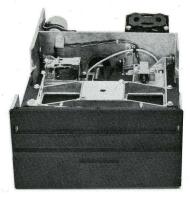
The AED 6200 cabinet is equipped with rubber feet for table top mounting the unit. Optional chassis slides and mounting hardware are available for rack mounting. For extra deep cabinets, chassis slide extenders are available.

When purchased complete with the interface and drives from AED, all cables are provided. For customers who wish to design a special interface or purchase their own floppy disk drives, appropriate cables are available from AED.

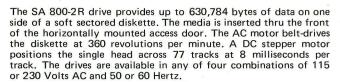
Warranty and Service

The AED 6200 Series and Options are guaranteed to be free from defect in workmanship, materials or design for a period of 90 days from date of invoice. During this warranty period the buyer ships the malfunctioning part or system to Advanced Electronics Design, Inc. freight collect. We repair it and return it to the buyer freight collect. AEDpaid freight costs apply only to the 48 contiguous states and Canada. Outside this area, round-trip freight costs are paid by the buyer.

Shugart Floppy Disk Drives



SA 800-2R SINGLE HEAD





SA 850-2R DUAL HEAD

The SA 850-2R accommodates the same type of IBM 3741 diskette media as the SA 800-2R except the SA 850-2R has one head on each side of the media to directly transfer up to 1,261,568 bytes of data. A stepper motor positions both heads across 77 cylinders at 3 milliseconds per cylinder. The drive motors are available in any of four combinations of 115 or 230 Volts AC and 50 or 60 Hertz. Horizontal mounting provides easy access for mounting and demounting the diskettes.

specifications

DRIVES
VOLTAGE
AMPERES

LINE FREQUENCY WEIGHT

CABINET SIZE

OPERATING LIMITS

AED 6200 LS

A	В
Either 110-130 or	220-260
at 115VAC 2	2.3
at 230VAC 1	1.2
Either 50 or 60 Hz	±0.1%
46 lbs	60 lbs
21 kg	kgs.
7" H x 16.8"W x 3	22"D

17.86cm H x 42.7 cm W x 55.9 cmD

AED 6200 LD B

	Same
_	2 2.3
	1 1.2
	Same
-	46 lbs 60 lbs
-	21 kg 27 kg
	7" H x 16.8"W x 22"D
	Same

AED 6200 LS/2 or AED 6200 LD/2

C	U
Same	
1.5	1.8
.8	.9
Same	
42 lbs	56 lbs
19 kg	25 kg
7" H x 16.8"W	x 22"D

Same

Temperature: 50°F - 100°F (10°C - 38°C) Altitude: -500 ft to 10,000 ft. (-152m to+3048m) Relative Humidity Limits: 20% to 80% with a maximum wet bulb temperature at 78°F (25°C)

formatter

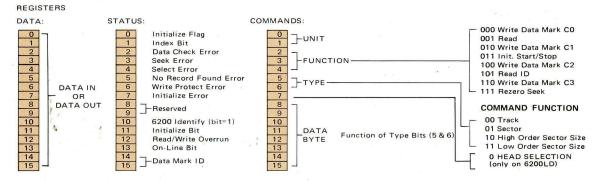
To calculate maximum number of sectors per track or maximum number of bytes per sector;

An expanded formula equation must be used for formats with greater than 313 sectors per track.

EXAMPLES OF 6200LD* (With Dual Head & Dual Density)

Sectors/Track (typical) 210 16 Bytes/Sectors 2,048 20,400 10,000 4,920 512 1.004.160 64 680 Bytes/Diskette 1.570.800 1.540.000 1,515,360 1,261,568 1,261,568 1.261.568

*NOTE: 6200LS with single head & dual density would correspond to half the number of bytes in this example.



SOFTWARE Drivers are also available for the AED 6200LD and AED 6200LS.



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