Features

- Two models available:
  AMDC-1: Single-drive model
  AMDC-2: Dual-drive model

- 3″ cartridge media for convenience and durability.

- Controls up to four (4) disk drives, each programmable for single or double-density operation. In double-density operation, the AMDC provides up to 360K bytes of on-line, formatted storage capacity (180K bytes/side x 2 drives).

- Double-sided cartridge allows user access to an additional 360K bytes by manually flipping it over. Total formatted storage is 720K bytes, 8 times the storage available on single-density 5¼″ diskettes.

- May be used in conjunction with any 5¼″ disk drive to boot Atari-compatible software.

- Fully-compatible with DOS/XL (formerly OS/A+ Version 4).

Specifications

ITEM	DESCRIPTION			
Formatted Disk Capacity	**DOS 2 Mode**			
	Density	**1 Side (40 Track)**	**2 Side***	**2 Side (80 Track)****
	Single	92K bytes		
	Double	184K bytes	368K bytes	736K bytes
	DOS 3 Mode			
	Density	**1 Side (40 Track)**		
	Single	92K bytes		
	Double	127K bytes		

	ITEM	SINGLE DENSITY	DOUBLE DENSITY
Media	Recorded Surfaces*	2	2
	Cylinders	40	40
	Tracks	80	80
Recording	Encoding	FM	MFM
	Max. Record Density	4473 Bpi	8946 Bpi
	Track Density	100 Tpi	100 Tpi
	Transfer Rate	125K bytes / sec.	250K bytes / sec.

	ITEMS	UNIT	DESCRIPTION
Access Time	Average Access Time	msec	100 (approx)
	Track-To-Track	msec	3
	Settling Time	msec	15
	Avg. Latency Time	msec	100
	Head Load Time	—	—
	Motor Start Time	sec	0.7 (min)
	Disk Speed	rpm	300
	Power Requirements	—	105 - 125 VAC @ .7 Amp, 60 Hz
Environmental Limits	Operating Temperature	°C	10-40
	Operating Humidity	RH	20-80%
	Maximum Wet Bulb Temp.	°C	29
	Operating Vibration	1G(max)	(5-100 HZ, X, Y, and Z)
Reliability	Error Rates		
	Soft Error		$1 \times 10^{(-9)}$
	Hard Error		$1 \times 10^{(-12)}$
	Seek Error		$1 \times 10^{(-6)}$

*AMDC Disk Cartridges may be flipped over to provide twice the storage as a 40 track single-sided drive.
**Double-sided and 80 track drive may only be used with dos/xl.

External Disk Drive Interface

Connector: 34 pin, 5.25″ Shugart-Type	
PIN NO.	**SIGNAL**
2	Unused
4	In use (option)
6	Drive Select 3
8	Index
10	Drive Select 0
12	Drive Select 1
14	Drive Select 2
16	Motor-on
18	Direction
20	Step
22	Write Data
24	Write Gate
26	Track 00
28	Write Protect
30	Read Data
32	Unused
34	Ready
1-33 (Odd)	Ground

Available Through: