



## 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).

## 3" Micro-Floppy Disk Drive for Atari® Computers

The new AMDC-1,(2) are high-performance, Atari-compatible disk drives. These drives feature the revolutionary 3" protected media. An intelligent controller provides compatibility with Atari 400, 800 and XL Series computers.

The disk drive system is available in a single-drive, version, AMDC-1 or dual-drive version, AMDC-2. Each system comes complete including the drive(s) (with built-in power supply), DOS/XL operating system software, documentation and a 90 day warranty (parts and labor).

# AMDEK



# 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          |
| Media                   | DOS 3 Mode          |                   |                 |                     |
|                         | Density             | 1 Side (40 Track) |                 |                     |
|                         | Single              | 92K bytes         |                 |                     |
|                         | Double              | 127K bytes        |                 |                     |
| Recording               | ITEM                | SINGLE DENSITY    | DOUBLE DENSITY  |                     |
|                         | 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:

2201 Lively Blvd. • Elk Grove Village, IL 60007  
(312) 364-1180 TLX: 25-4786

REGIONAL OFFICES: Southern Calif. (714) 662-3949 • Texas (817) 498-2334  
Northern Calif. (408) 370-9370 • Denver (303) 794-1497

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