

CONTROLLER MANUFACTURER LISTING

COMPETITIVE INFORMATION

Prepared by

Bert Armijo

CIPHER DATA PRODUCTS, INC.
7301 Oranewood Avenue
Garden Grove, CA 92641

(714) 891-3711
TWX 910-596-1870

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INTRODUCTION

The following is a reference list of Controller Manufacturers who have advertised or announced controllers or adapters for cartridge tape products. It should aid potential tape users in selecting interface equipment which suits their needs. Indications are made in the listing where specific design or testing has been done with Cipher Products.

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ADDRESS LISTING

Adaptive Data (ADES)
2627 Pomona Blvd.
Pomona, CA 91768
714-594-5858

Advanced Electronics Design, Inc. (AED)
440 Potrero Ave.
Sunnyvale, CA
408-733-3555

Advanced Micro Devices Microcomputer
Systems
901 Thompson Pl.
P. O. Box 3453 M/S 140
Sunnyvale, CA 94088
408-732-2400

Alpha Omega Computer Systems
33868 Eastgate Circle
P. O. Box U
Corvallis, OR 97339
503-754-1911

Antonia Corporation
13600 Ventura Blvd.
Sherman Oaks, CA 91423
818-986-6651

Axis, Inc.
7825 Engineer Rd., Suite 208
San Diego, CA 92111
619-560-7737

Colex America, Inc.
15028 Beltway Dr.
Dallas, TX 75234
214-458-2779

Comark Corp.
93 West St.
P. O. Box 474
Medfield, MA 02052
617-359-8161

Computer Dynamics Inc.
105 S. Main St.
Greer, SC 29651
803-877-7471

Computer Storage Technology
1369 South State College Blvd.
Anaheim, CA 92806
714-778-3656

Creative Micro Systems
3822 Cerritos Ave.
Los Alamitos, CA 90720
213-493-2484

Data-Sub Systems/U.S., Inc.
2219 S. 48th St., Suite J
Tempe, AZ 85282
602-438-1492

Data Technology Corp.
2775 Northwestern Pkwy.
Santa Clara, CA 95051
408-496-0434

Distributed Logic Corp.
(DILOG)
12800 Garden Grove Blvd.
Garden Grove, CA 926434
714-534-8950

dy-4 Systems, Inc.
888 Lady Ellen Pl.
Ottawa, Ontario, Canada K1Z5M1
613-728-3711

Emulex
3545 Harbor Blvd.
Costa Mesa, CA 92626
714-662-5600

Faraday
743 Pastoria Ave.
Sunnyvale, CA 94086
408-749-1900

Intel Corp.
3065 Bowers Ave.
Santa Clara, CA 95051
408-987-8080

Konan
1456 N. 27th Ave.
Phoenix, AZ 85009
602-269-2649

Micro-Link
14602 N. U. S. Hwy. 31
Carmel, IN 46032
317-846-1721

Micro Technology
1620 Miraloma Ave.
Placentia, CA 92670
714-632-7580

Motorola
Semiconductor Products Div. 4030
Moorpark Ave., Suite 121
San Jose, CA 95117
408-985-0510

OMTI
777 E. Middlefield Rd.
Mountain View, CA 94043
415-964-5700

Plessey Periphral Systems
Computer Products Division
1674 McGaw Ave.
Irvine, CA 92714
714-540-9945

Rancho Technology
10238 Monte Vista
Rancho Cucamonga, CA 91701
714-987-3966

Scientific Micro Systems
777 E. Middlefield
Mountain View, CA 94043
415-964-5700

Sigen Corp.
1800 Wyatt Dr., Suite 6
Santa Clara, CA 95054
408-988-2527

Xebec Corp.
432 Lakeside Dr.
Sunnyvale, CA 94086
408-287-2700

CONTROLLER LISTING

ADAPTIVE DATA SYSTEMS, INC.

SCSI 536 STC

Features

- o Industry standard SCSI host interface.
- o Industry standard QIC-36 peripheral interface.
- o QIC-11 or QIC-24 selectable media formats.
- o SCSI bus and buffer parity (optional).
- o Read--After--Write data check.
- o 16 bit CRC error detection coding.
- o Single 5 1/4 inch form factor.
- o 8K on board buffer.

Adaptive Data--Python--AP Tape Link

Features

- o Multi-tasking operation.
- o Industry standard SCSI host interface.
- o Single ended or differential interface options.
- o Controls 1/4" cartridge or 1/2" streaming devices.
- o QIC-11 or QIC-24 selectable media formats.
- o 512 byte block sizes.
- o 16 bit CRC error detection coding.

*IBM PC and IBM Personal Computer are trademarks of International Business Machines Corporation.

CONTROLLER LISTING

ADVANCED ELECTRONICS DESIGN, INC. (AED)

5 1/4" Winchester/floppy controller, supporting most floppy disk drives.

ADVANCED MICRO DEVICES MICROCOMPUTER SYSTEMS (MCS)

Intelligent floppy disk controller board.

Features

- o Handles up to (4) 5 1/4" and (4) 8" drives concurrently, supporting both single and dual-density, as well as single and double-sided drives in intermixed systems.

ALPHA OMEGA COMPUTER SYSTEMS

ASY-8301

Features

- o STD Z80 bus
- o On-card processor with automatic format adjustment
- o Error detection and correction
- o Data buffering W/DMA to/from bus memory
- o Logical or physical disk address
- o 4 or 6 MHZ
- o (4) drives any mix 3 1/2, 5 1/4, or 8"

CONTROLLER LISTING

ANTONA CORPORATION

ANC-7393 floppy disk controller card.

Features

- o Industry Standard STD bus.
- o Up to (4) 5 1/4" or 8" drives.
- o SS or DS, SD or DD.
- o CP/M software drivers.
- o Digital phased lock loop.
- o Write precompensation.
- o All I/O lines fully buffered.

AXIS, INC

Floppy disk controller, #LSB-7810

Features

- o Industry Standard STD bus.
- o Controls up to four (4) disk drives with any size and format combination.
- o DMA option available.

COLEX AMERICA

STD-FLP2 floppy disk interface

Features

- o Industry Standard STD Z80.
- o Supports 5 1/4" and 8" diskettes.
- o SS or SD, SD or DD software selectable.

CONTROLLER LISTING

COMARK CORPORATION

MF80 dual 8" floppy disk controller.

Features

- o Intel compat (201/202), write protect and unit selection switches.

CBX-FDC Floppy Disk Controller

Features

- o Controls up to 4 drives.
- o SS or DS, SD or DD.
- o Either 5 1/4" or 8".
- o IBM format.

CONTROLLER LISTING

COMPUTER DYNAMICS, INC.

FLP dual density floppy controller.

Features

- o Full DMA to 6 MHz supports 8" and 5 1/4".
- o 8" and 5 1/4".
- o SS or DS, SD or DD

COMPUTER STORAGE TECHNOLOGY (CST)

CC-100 1/4" streaming cartridge tape controller.

Features

- o For all IBM series/1 computers.
- o QIC-02 Interface.

CC-300 1/4" streaming cartridge tape drive controller.

Features

- o For LSI-11.
- o QIC-02 Interface.

CONTROLLER LISTING

COMPUTER STORAGE TECHNOLOGY (CST)

CC-400 controller.

Features

- o S100 bus compatible.
- o QIC-02 Interface.

CREATIVE MICRO SYSTEMS

9671 universal floppy disk controller.

Features

- o For up to (4) 5 1/4" and 8" drives.
- o SCSI compatible.

DATA SUB SYSTEMS/U.S., INC.

Floppy disk controller board.

Features

- o Uses the Western Digital WD1793.
- o VME bus compatible.
- o Supports up to (4) 8" or 5 1/4" drives.
- o SS or DS, SD or DS.

CONTROLLER LISTING

DATA TECHNOLOGY CORPORATION

Controllers for most 5 1/4" and 8" flex drives.

Features

- o Controllers have SASI/SCSI interface to host adapters.

DISTRIBUTED LOGIC CORPORATION (DILOG)

DQ409 floppy disk controller.

Features

- o Dual wide controller interfaces up to 2 Shugart SA800 or 850 equivalent drives to LSI-11, 11/2, 11/23, micro PDP-11.

DQ419 floppy disk controller.

Features

- o Dual-wide controller interfaces up to (2) SA801 or equivalent drives.

CONTROLLER LISTING

dy-4 SYSTEMS, INC.

DSTD-711-4.0 floppy disk and DMA controller.

Features

- o Supports up to (4) 5 1/4" or 8" drives.

EMULEX

Titleist-(MT01)

Features

- o SCSI implementation based on ANSI x 379.2/ 82-2 Revision 14.
- o Support of disconnet/reconnect function.
- o Command queuing from multiple initiators.
- o Hard reset.
- o Buffered operation to optimize tape streaming.
- o Extensive self-test and diagnostic facilities.
- o Single board 5 1/4" footprint.

CONTROLLER LISTING

FARADAY

FE 2100 floppy disk controller.

Features

- o IBM format compatible.
- o Single 5V supply.
- o Complete data separator for FM and MFM encoded data.
- o Variable write precompensation.

CONTROLLER LISTING

INTEL CORPORATION

SBC 208 flexible disk controller.

Features

- o Controls up to (4) soft sectored drives.
- o SS or DS, SD or DD.
- o Software drivers available for RMX86.

SBX 218A flexible disk controller.

Features

- o Controls up to (4) soft sect
- o SS or DS, SD or DD.
- o Software drivers available fo

SBX 217C 1/4" tape drive interface mul

Features

- o Support for up to four (4) 1/4" streaming tape drives.
- o QIC-02 Interface.

CONTROLLER LISTING

KONAN

Konan "Quick Tape" IBM PC* interface card

Features

- o Conforms to all QIC-02 specifications.
- o Complete electrical and physical compatibility with the IBM Personal Computer.
- o Performs direct memory access of any three standard IBM PC channels.
- o Software support to perform backup and restore to/from various hard disk interfaces.
- o 90 ips streaming tape capability in most environments.
- o Capable of addressing up to four streaming tape drives.
- o IBM PC* interface.

*IBM PC and IBM Personal Computer are trademarks of International Business Machines Corporation.

CONTROLLER LISTING

KONAN

Konan Taisho 7000--Hard disk, floppy disk, and tape controller.

Features

- o Cipher* FloppyTape compatible.
- o Z80A* microprocessor--based design.
- o Intel Multibus* interface.
- o Full track DMA transfers on one disk revolution.
- o 90 ips QIC-02 streaming tape intelligent interface standard.
- o Programmable sector sizes (128 bytes, floppy; 256 and 512 bytes, floppy and hard disk).
- o All transfers are DMA including the command block.
- o Full sector buffering (dual buffers).
- o Sector interleaving (software selectable).
- o Error correction (fully automatic).
- o Floppy can be 5 1/4" or 8" single or double sided, single or double density.
- o No adjustments on board.

* Z80 is a trademark of Zilog Corporation. Multibus is a trademark of Intel Corporation. Cipher is a trademark of Cipher Data Products, Inc.

CONTROLLER LISTING

KONAN

Konan Taisho 6000--Hard and floppy disk and tape controller.

Features

- o Cipher* FloppyTape Compatible
- o Z80A* microprocessor--based design.
- o Full track DMA transfers in one disk revolution.
- o Intel Multibus* compatible.
- o Programmable sector sizes (128 bytes, floppy; 256 and 512 bytes, floppy and hard disk).
- o All transfers are DMA including the command block.
- o Full sector buffering (dual buffers).
- o Sector interleaving (software selectable).
- o Error correction (fully automatic).
- o Automatic retries upon error.
- o Multiple sector transfers.
- o Floppies can be 5 1/4 inch or 8 inch, single or double density, single or double sided.

* Multibus is a trademark of Intel Corporation.

CONTROLLER LISTING

KONAN

Disk Drive Interfaces

Interfaces to any 5 1/4 inch fixed or removable Winchester drives with the industry standard ST-506/412 interface. Also interfaces to four floppy disk drives.

Konan Host Personality Adapters.

Host Personality Adapters Available.

- o Apple II, II+, IIe*
- o IBM personal computer*
- o NEC*
- o TRS-80 Model III*
- o S-100 (IEEE 696)

* Z80A is a trademark of Zilog Corporation. Multibus is a trademark of Intel Corporation. Cipher is a trademark of Cipher Data Products, Inc.

* APPLE II, II+, IIE ARE TRADEMARKS OF APPLE COMPUTER COMPANY. IBM personal computer is a trademark of International Business Machines Corporation. NEC personal computer is a trademark of Nippon Electronics Corporation. TRS-80 Model III is a trademark of Tandy Corporation.

CONTROLLER LISTING

MICRO-LINK CORPORATION

STD-01 floppy disk controller.

Features

- o Industry standard STD bus.
- o Universal with on board DMA controller.
- o Intermix sizes and densities.

MICRO-TECHNOLOGY, INC.

MXV21 floppy disk controller.

Features

- o Supports two (2) Shugart 8" drives.

MXV22M floppy disk controller.

Features

- o DEC RX02 formats.
- o Supports (2) 96TPI 5 1/4" drives with Shugart interface.

CONTROLLER LISTING

MICRO TECHNOLOGY, INC.

MXV42C floppy disk controller.

Features

- o RX02 formats.
- o Supports (2) 8" and (2) 5 1/4" 96TPI drives.
- o Dual height card.
- o Shugart interface compatible.

MX22 floppy disk controller.

Features

- o Supports four (4) 8" drives with Shugart interface.
- o PDP-11

MX22 floppy disk controller.

Features

- o DEC Unibus compatible.
- o Controls up to (4) Shugart SA801/850 drives.

CONTROLLER LISTING

MOTOROLA, INC.

MVME 320 Winchester/floppy disk controller module.

Features

- o VME bus.
- o Controls mixed 5 1/4" and 8" drives.
- o Up to (2) Winchesters.
- o Controls up to (2) Winchesters and (2) Floppy disks, or (4) floppy disks.

CONTROLLER LISTING

OMTI 5201

5201 SCSI Controller

Features

- o SCSI interface
- o Supports Winchester, FloppyTape, and Flexible Disk Drives
- o 2 K Ring Buffer
- o Up to 1.5 MBytes/second SCSI bus transfer rate
- o Consecutive Sector transfer. One to one interleave.
- o Maintain 525 FloppyTape streaming operation
- o Command set compatible with OMTI 5000 Series (New commands for FloppyTape)

- o Winchester Disk Drives
 - Supports 3.5" or 5 1/4" ST506/412 Interface compatible drives
 - Fixed, Removable or Fixed Removable Winchesters
 - Hard or Soft sectored Winchesters
 - Winchesters with up to 16 heads

- o FloppyTape Drive (6 Streams)
 - Specific 525 FloppyTape commands:
 - Format FloppyTape Drive (04)
 - Verify Stream Format (05)
 - Format Segment (06)
 - Define FloppyTape Format (CO)
 - Assign FloppyTape Parameters (C2)

- o Flexible Disk Drives
 - 3.5 inch or 5 1/4 inch or 8 inch Drives
 - 250 Kbits/second or 500 Kbits/second Transfer rate
 - Supports the new generation of half height, 5 1/4" flexible disk drive

CONTROLLER LISTING

PLESSEY PERIPHERAL SYSTEMS, INC.

PM-XCV21 floppy disk controller.

Features

- o Compact single, dual wide board.
- o SD or DD
- o LSI-11 compatible
- o RX02 compatible

PM-XCV31 floppy disk controller.

Features

- o Compact, single dual wide board.
- o DSDD
- o LSI-11 compatible
- o Instruction to modify DEC's software driver is supplied for most operating systems.

CONTROLLER LISTING

RANCHO TECHNOLOGY

RT 3002-WFT Winchester and FloppyTape controller.

Features

- o Support up to (3) Winchesters and (4) floppy disk drives or (1) FloppyTape.
- o Supports Cipher 525 FloppyTape or 5 1/4" floppy drive.
- o Single +5 V power supply.
- o Write precompensation on FloppyTape, floppy disk, and hard disk drives.
- o Sector buffer on board supports up to 1K byte sectors.
- o Self-test diagnostics/test command included.

SCIENTIFIC MICRO SYSTEMS (SMS)

Winchester, floppy and tape controllers.

Features

- o Multi-function data controllers for SASI/SCSI bus.

CONTROLLER LISTING

SIGEN CORPORATION

Sigen DC-5

Features

- o Supports 5 1/4 inch 8 inch hard and/or 5 1/4 and 8 inch floppy drives, FloppyTape.
- o Compatible with several industry standard disc interfaces.
- o Packaged on a single compact multilayer board.
- o High level command set.
- o VME bus compatible.

XEBEC

S-1420--General purpose disk controller.

Features

- o Interlocked data transfer through the Shugart Associates Systems Interface (SASI).
- o 5 1/4" or 8" disk drives.
- o Microprocessor--Based architecture (patent pending).
- o Full Sector Buffer.
- o Automatic retries during disk access.
- o Internal Diagnostics.
- o Automatic burst error detection.
- o Separate sector format for ID and data fields with individual CRC fields for both the ID and data fields.
- o High level command set.

BUS-CONTROLLER/INTERFACE

APPLE PC

Data Technology Corporation

Controllers for most 5 1/4" and 8" floppy disk drives.

Xebec

S1420 Winchester/floppy controller.

MOTOROLA

EXORBUS

Creative Micro Systems.

9671 universal floppy disk controller.

IBM-PC

Data Technology Corporation

Controllers for most 5 1/4" and 8" flex drives.

Faraday

FE5141 integrated floppy disk adapter.

FE2100 floppy disk controller

Xebec

S1420 Winchester/floppy controller.

Konan

Controllers and host adapters.

OMTI

5201 Winchester/floppy disk/FloppyTape controller.

Rancho Technology

RT 3002-WFT Winchester/floppy disk/FloppyTape controller.

BUS-CONTROLLER/INTERFACE

INTEL MULTIBUS

Comark Corporation

MF80 dual 8" floppy disk controller.

Intel Corporation

SBC 208; flexible disk controller.

SBX 218A; flexible disk controller.

Xebec

S1420 Winchester/floppy controller.

Advanced Micro Devices Microcomputer Systems (MCS)

Intelligent floppy disk controller board.

BUS-CONTROLLER/INTERFACE

DIGITAL EQUIP CORPORATION

Q-Bus

Advanced Electronics Design, Inc. (AED)

5 1/4" Winchester/8" floppy controller

5 1/4" Winchester/floppy controller.

Data Technology Corporation

Controllers for most 5 1/4" and 8" flex drives.

Distributed Logic Corporation (Dilog)

DQ409 floppy disk controller.

Micro Technology, Inc.

MXV22M 5 1/4" floppy disk controller.

Plessey Peripheral Systems Inc.

PM-XCV21 floppy disk controller.

PM-XCV31 floppy disk controller.

Computer Storage Technology (CST)

CC-300 1/4" streaming cartridge tape drive controller.

Emulex Corporation

Controllers for most 5 1/4" and 8" floppy drives.

BUS-CONTROLLER/INTERFACE

STD BUS (IEEE P961)

Alpha Omega Computer Systems

ASY-8301 Std Z80 bus smart floppy disk controller.

Antona Corporation

ANC-7393 Std bus floppy disk controller card.

Axis Inc.

Floppy disk controller, #LSB-7810.

Colex America, Inc.

STD-FLP2 floppy disk interface for Std-280.

Computer Dynamics Inc.

FLP dual density floppy controller.

Micro-Link Corporation

STD-101 floppy disk controller.

MOTOROLA

VERSAbus

Data Technology Corporation

Controllers for most 5 1/4" and 8" floppy drives.

Motorola Inc.

M68KVM20 floppy disk controller.

BUS-CONTROLLER/INTERFACE

VMEbus

(IEEE P1014)

Data-Sud Systems/U.S., Inc.

VMEous floppy disk controller.

dy-4 Systems Inc.

DVME-716 intelligent 9-trk tape host adapter.

Sigen Corporation

DC-5 floppy disk/floppy tape controller.

OTHER

Scientific Micro Systems (SCI)

Winchester, floppy, and tape controllers.

COMPETITIVE ANALYSIS

(Reference Chart)

Company	Model	Interface	Size	Capacity (MB)	Operating Mode	No. Trks	Notes, Features, Options
Analog and Digital Peripherals	Model 1	TTL Serial	2.5 x 4 x 6	.158	Start/Stop	1	
	Model 2	TTL Serial	2.5 x 4 x 6	0.5	Start/Stop	2	
	DC 300	TTL Serial	8 x 7 x 8	12	Start/Stop	4	
	Byte Bucket	RS232C, IEEE-488, NCR	6 x 4.5 x 9	.5	Start/Stop	1	
	Feedback 340	RS232C, RS422		4	Start/Stop	4	
	Feedback 344	RS232C, RS422	8 x 8 13	12	Start/Stop	4	
	Mini DC1	RS232C, 8 Bits, Parallel	6 x 5.5 x 7	.25	Start/Stop	2	
Archive Corporation	Scorpion 45 MB	QIC-02	1.625 x 5.75 x 8	48.6	Streaming	9	Half-Height
	Scorpion 20 MB	QIC-02	1.625 x 5.75 x 8	21.6	Streaming	4	Half-Height
	Sidewinder	QIC-02	4.5 x 8.55 x 10	21.6	Streaming	4	
	Super Sidewinder	QIC-02	4.5 x 8.55 x 10	48.6	Streaming	9	
Cipher Data Products, Inc.	525 FloppyTape	SA 450/850	3.25 x 5.75 x 8	32	Streaming	6	Emulates Floppy Disk Performance
	Series 540	QIC-02	3.25 x 5.75 x 8	45/60	Streaming	9	QIC-24 Format, Front Loading, Optional 8" Form Factor
	Series 400	QIC-02	4.5 x 8.55 x 14	20	Streaming	4	QIC-24 Format, Transparent Error Detection, Correction
Columbia Data Products	300C	RS232C	5.2 x 7 x 14	1.5, 2.25		4	
	300D	RS232C	5.2 x 7 x 14	2.57, 3.8	Start/Stop	4	
Control Data Corporation	CDC 92190	RS232C	4.6 x 8.5 x 14.06	50	Streaming	11	Integrated Formatter
	CDC 92192	Serial Data	4.6 x 8.5 x 14.06	70	Streaming	11	Integrated Formatter
Data Electronics, Inc.	Streaker	SCI, SASI	4.5 x 8.5 x 6.4	26.6	Streaming	4	
	Mini-QIC Stream III	QIC-02	1.62 x 5.75 x 8	60	Streaming	4-9	Half Height Tape Drive
Digi-Data Corporation	6400	Funnel	3.25 x 6.9 x 5.75	21	Start/Stop Streaming	4	Serpentine or Standard Head Configurations
	8300	Funnel	3.25 x 6.9 x 5.75	30	Start/Stop Streaming	4	Serpentine or Standard Head Configurations
Electronic Processors	STR-812	RS422	4 x 7 x 12	3.4	Start/Stop	4	
	STR-Stream	ST506, SA1000	4.15 x 7 x 13.25	130	ESDI	20	
Feedback Data LTD	330	TTL Serial CMOS Serial	5.9 x 7.7 x 6.4	4.31	Start/Stop	4	
	334	RS232C	5.9 x 7.7 x 6.4	17.25	Start/Stop	4	
	351	RS232C	7 x 8.6 x 17.8	4.31	Start/Stop	4	Dual-Drive Version Available Rackmount or Free Standing
	340	RS232C	7 x 8.6 x 17.8	4.31	Start/Stop	4	Local Control or Command Protocol, DC Power Options
	344	RS232C	7 x 8.6 x 17.8	17.25	Start/Stop	4	Local Control or Command Protocol, DC Power Options
Kennedy Company	6455	Pico Bus Pertec .5in Tape	4.5 x 8.5 x 14	23	Start/Stop	4	Emulates .5in Tape Drives without Software changes to system; Optional Front Panel
	6470	Pico Bus Std .5in Tape	4.5 x 8.5 x 14	57.6	Start/Stop	10	Emulates .5in Tape Drives, Reads 4 track Tapes, Optional Front Panel

Company	Model	Interface	Size	Capacity (MB)	Operating Mode	No. Trks	Notes, Features, Options
Northern Telecom	MCT/6190	QIC-02	3.9 x 7.7 x 5.7 (Internal)	48/81	Streaming	9	
	MCT/6112	QIC-02	3.9 x 7.7 x 5.7	64/108	Streaming	12	
Pertex LTD	HD6400		4.25 x 6.9 x 5.7	17	Start/Stop	4	
	8000	RS232C, 8 Bit Parallel	5.6 X 11.2 x 15.6 (Stand Alone)	3	Start/Stop	4	
	9000	RS232C, HDLC	5.2 x 8.3 x 16.3 (Stand Alone)	17	Start/Stop	4	
Quantex	Jet Stream 16	QIC-02	4.62 x 8.51 x 14	99	Streaming	9,16	Reads and Writes 9 or 16 Track Tape
	200 Mini Drive	RS232C	3 x 4 x 4	.7	Start/Stop	2	
Tandberg Data, Inc.	TDC 3200	QIC-02	4.6 x 7.8 x 10.3	62	Streaming	4	
	TDC 3300	QIC-02	1.69 x 5.76 x 8 (Stand Alone)	62	Streaming	9	
3M Data Recording Products	HCD-75/30	Parallel 16 Bits, 8 Bit BiDirectional UniDirectional	4.6 x 6.8 x 17.6	67	Start/Stop Streaming	16	
	HDC-75/60	Parallel 16 Bits, 8 Bit BiDirectional UniDirectional	4.6 x 6.8 x 17.6	67	Start/Stop Streaming	16	
	DCD-3	TTL	6.9 x 8.7 x 9.4	4.3	Start/Stop Streaming	4	
Wangtek	Series 5000	QIC-02	3.25 x 5.25 x 8 (Stand Alone)	20-60	Streaming	4,9	