

9610



KENNEDY
A division of Shugart Corporation

Introducing the Kennedy 9610 Series of Streaming Tape Drives. Offering Quad Density, True Start/Stop, SCSI Interface and a Whole Lot More.

T H E
9610
S E R I E S

The 9610 Series

The World's Choice. The Kennedy 9610 series of streaming half-inch tape drives, provides high-performance data recording capabilities in accordance with ANSI and IBM specifications.

This series of 9-track GCR hybrid drives are the perfect fit. Their low, 8¾-inch profile makes them small enough to be placed in mainframe system cabinets, or used in an attractive stand-alone table top enclosure beside a server or PC.

Kennedy's 9610 series offers these important performance features:

True Start/Stop. All 9610 series models combine a low-cost precision 50 ips start-stop tape drive with a high-performance 100 ips streaming drive. Reliable auto threading and loading makes Kennedy easy to use. And, with the auto-speed feature engaged, the drive will select the best operation for maximum performance and throughput.

SCSI Interface. You can mix and match drives from the series to meet varying systems requirements. That means you get the best overall performance for the least possible cost.

Quad Density/GCR. The 9610 series offers quad density. They can

record at 800, 1600, 3200 or 6250 bpi, making them versatile enough to work with a variety of systems.

Accuracy. All Kennedy 9610 series models offer 100 percent "on the fly" data verification during write operations.

Consistency. The entire 9610 series maintains the same attractive form, fit and finish for all models, and commonality of parts.

Reliability. The 9610 series has sophisticated self-diagnostic capabilities. A tape exerciser and error log is built into every drive, allowing users to recreate system type instructions and determine the drive's performance.

Support. Kennedy, a division of Shugart Corporation, is committed to exacting standards of quality and performance. That's why Kennedy is the leading seller of half-inch tape drives worldwide. Reliable service is available for both O.E.M. support and maintenance around the world.

High performance in an easy-to-operate system. That's the 9610 series. And that's our idea of perfection.

RECORDING DENSITIES	800 BPI, NRZI 1600 BPI, PE	3200 BPI, DDPE 6250 BPI, GCR
TAPE SPEED AT ALL DENSITIES	Start/Stop Streaming Auto Speed	50 50/100 50/100 Automatic Speed Optimizer
REPOSITION TIME (MSec.) At 100 IPS	Same Direction Opposite Direction	50.00 200.0
TAPE		
LOADING	Automatic (Except Vertical Profile Models)	
THREADING	Automatic Vacuum Assisted	
REEL SIZE	6.0", 7.0", 8.5", 10.5"	
CAPACITY (ANSI spec. X3.40)		
	<u>Reel Capacity Max.</u>	<u>Data Capacity Max.</u>
	1.9 Mil. 2400 Ft.	180 MBytes
	1.3 Mil. 3600 Ft.	270 MBytes
INTERFACE		
INDUSTRY STANDARD	Industry Standard (Cache Buffer Optional) Cache Size (KBytes)	256 512 1024
SCSI	Max. Record Size Synchronous Max. Record Size Asynchronous Modes of Operation Interface Drivers	Equals Buffer Size Equals Buffer Size Buffered/Unbuffered Synchronous/Asynchronous Single-ended, Differential
DATA TRANSFER RATE		<u>NRZI</u> <u>GCR</u>
INDUSTRY STANDARD INTERFACE	At 50 IPS At 100 IPS	48 to 375 KBytes/Sec. Max. 96 to 750 KBytes/Sec. Max.
SCSI INTERFACE	Asynchronous Synchronous	2 MBytes/Sec. Max. 4.8 MBytes/Sec. Max.
MAGNETIC HEAD ASSEMBLY	Surface Number of Tracks Tape Cleaner	Hard Coated Ceramic 9 Track Read After Write Dual Sapphire
TAPE SENSORS	Infrared	
MOTION CONTROL	Microprocessor Controlled Closed Loop Capstan Reel Servo With Buffer Arms	



INPUT VOLTAGE

100, 120, 220, 240 VAC 50/60 HZ
(User/Field Selectable)
48 VDC or 60 VDC
(Factory Configurable Only)

HEAT DISSIPATION

INDUSTRY STANDARD INTERFACE 1050 BTU/HR
SCSI INTERFACE 1250 BTU/HR

MTBF

8300 Hrs. at 20% Duty Cycle

MTTR

30 Minutes

DIMENSIONS

(OVERALL)

HORIZONTAL PROFILE MODELS
VERTICAL PROFILE MODELS

Height
8.72" (22.15cm)
24.48" (62.18cm)

Standard 19 Inch Rack Mount

Width
18.88" (47.95cm)
19.02" (48.31cm)

Depth
24.50" (62.23cm)
13.69" (34.77cm)

ENCLOSURE MODELS

10.00" (25.40cm)

Table-Top Mount
20.60" (52.32cm)

26.05" (66.17cm)

STANDARD MODELS

	QUAD DENSITY**	TRI-DENSITY**	INDUSTRY STANDARD INTERFACE	SCSI INTERFACE	HORIZONTAL PROFILE MOUNT	TABLE-TOP ENCLOSURE	VERTICAL PROFILE MOUNT
9610	■		■		■		
9612	■			■	■		
9660	■		■			■	
9662	■			■		■	
9600		■	■		■		
9602		■		■	■		
9650		■	■			■	
9652		■		■		■	
9640	■		■				■
9642	■			■			■
9644		■	■				■
9646		■		■			■

OPTIONS & ACCESSORIES*

- 9502-6XX SCSI Interface
- Synchronous/Asynchronous
- Differential/Single-ended
- Buffer Size: 256, 512 or 1024 KBytes
- Cache Buffer (Industry Standard Interface only)
- Size 256, 512 or 1024 KBytes
- 48 VDC or 60 VDC Input Voltage**
- Termination Housing
- Custom Paint (Minimum order)
- OEM Logo (Minimum order)
- Table-Top Enclosure
- 9600 Field Upgrade Kit
(Tri-density to Quad-density)
- Tape Length/Used Counter

* All Options/Accessories, except as noted, are field installable on current drive versions by Kennedy trained personnel.

**Not available as a field installable option.

*Quad Density = 6250, 3200, 1600, 800 BPI

**Tri Density = 3200, 1600, 800 BPI (field upgradeable to Quad Density)



9640

VERTICAL PROFILE MODEL

The 9640 is the vertical mount version of the 9610 series which has been designed to easily replace most applications of earlier Kennedy formatted tape drive models 9000, 9100, 9300, and 9400 as well as vertical drives offered by other manufacturers. Now there's a solution for those who want the performance of the Kennedy 9610 in the rack space originally designed for earlier upright tape drives.

WORLD HEADQUARTERS

Shugart Corporation
9292 Jeronimo
Irvine, CA 92718
Telephone: (714) 770-1100
FAX: (714) 859-4960

U.S.A. OPERATIONS

Sales
Kennedy
San Jose, CA
Telephone: (408) 453-8920
FAX: (408) 453-8939

Sales & Service
Kennedy
Boston, MA
Telephone: (617) 935-9787
FAX: (617) 932-3351

Service Headquarters
Kennedy
Irwindale, CA
Telephone: (818) 334-4333
FAX: (818) 812-3186

INTERNATIONAL OPERATIONS

Asia/Pacific
Kennedy
Irvine, CA
Telephone: (714) 770-1100
FAX: (714) 859-4960

Central Europe
Shugart Kennedy GMBH
Munich, West Germany
Telephone: 49-89-7800-80
FAX: 49-8978-00828

Southern Europe
Shugart-Kennedy France Ltd.
Paris, France
Telephone: 33-1-477-58634
FAX: 33-1-477-89611

U.K./Scandinavia
Kennedy International, Ltd.
Workingham, England
Telephone: 44-734-776033
FAX: 44-734-776023



Cypress Technologies Corp.
14023 Whispering Valley
P.O. Box 160
Cypress, Texas 77429
(713) 373-0882
(800) 444-1309