ZETA

SKR-600

D I S K · S U B S Y S T E M

Rewriteable Optical Technology for Data General MV Systems. Zetaco's SKR-600 Optical Disk Subsystem offers high capacity data storage, the performance of random-access disk emulation, and the long life and removability of optical media.

High Capacity. Removable Disk cartridges store *594 MB* of data on media platters in the ISO standard 5¼″ format (two 297-MB disk volumes, one volume per side of the platter).
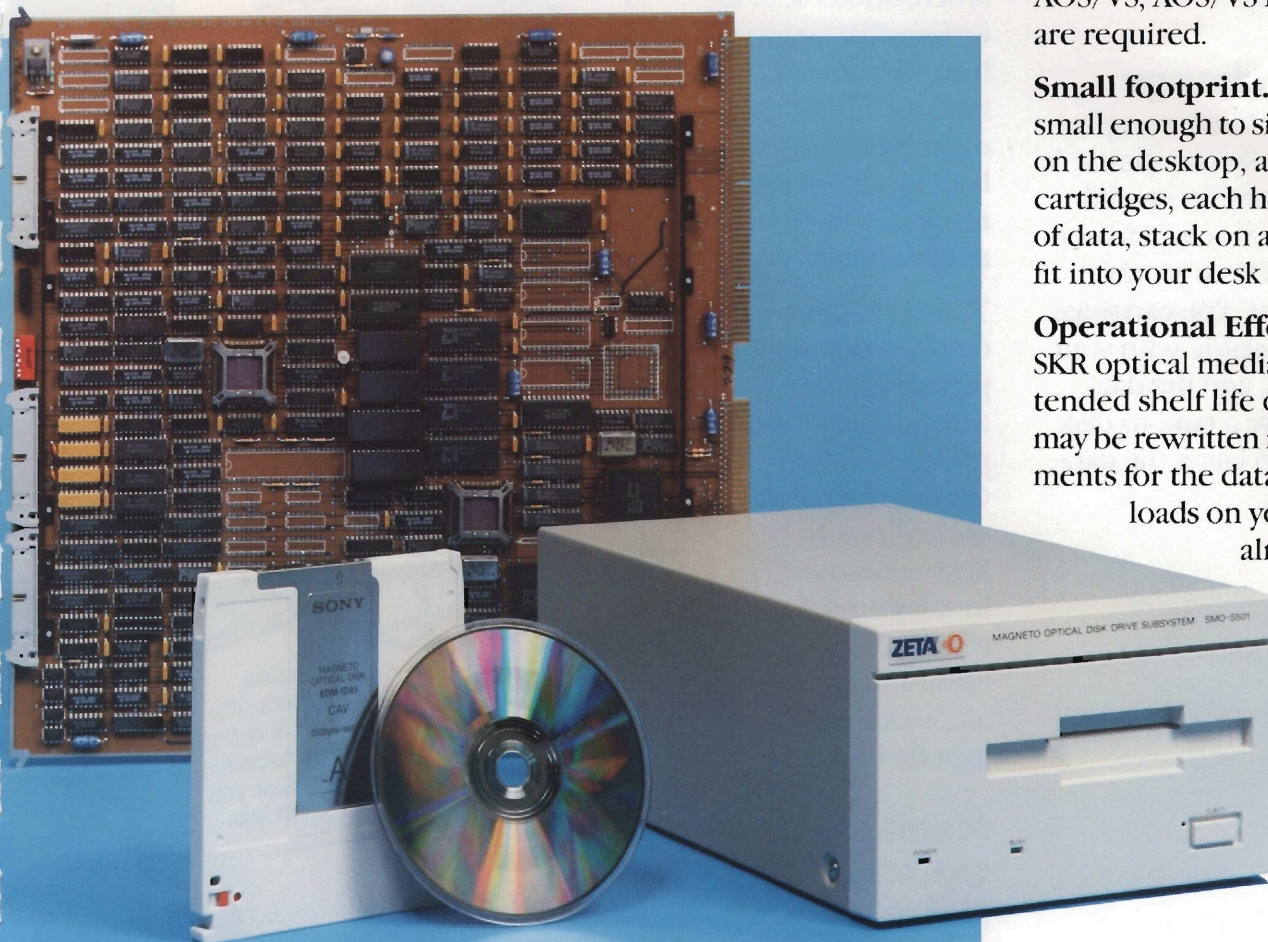
Performance. SKR-600 uses our high performance, field-proven SCZ-3 Disk Controller

to emulate magnetic disk, to provide true *random access* to your data.

Full Compatibility. Designed under DPJ, the latest & most efficient Data General-designed disk driver for MV systems . . . .therefore, no modifications to Data General software under AOS/VS, AOS/VS II, or DG/UX are required.

Small footprint. The drive is small enough to sit conveniently on the desktop, and the 5¼″ cartridges, each holding 594 MB of data, stack on a bookshelf or fit into your desk drawer.

Operational Effectiveness. SKR optical media provides extended shelf life of ten years, may be rewritten if your requirements for the data change, and loads on your system already looking like a disk volume.

Complementary Storage

The SKR-600 is a perfect complement to your current magnetic disk and tape resources.

Optical has proven especially useful in a variety of applications including system backup, data archiving, off-site storage, retention of multiple versions of files for audit trails, database and software distribution, image storage and retrieval, electronic publishing, and many others. Data stored on optical can be kept reliably for many years – an SKR-600-written cartridge has a ten-year shelf life.

Data Interchange

The media provides a compact, durable, and easily-transportable cartridge that may be moved from system to system, and conforms to the ISO rewriteable optical standard. The cartridge format is compatible with your disk file system, and the data does not require a tape-to-disk transfer prior to using the data on your system.

Complete Package

SKR-600 is supplied complete with the drive in a desktop enclosure, the configured controller, all required cables, software support tape, technical manuals, and one data cartridge. Additional cartridges are available from Zetaco or Zetaco's Authorized Distributors.

Advanced Controller Design

The Controller used in the SKR-600 is Zetaco's SCZ-3, an advanced synchronous SCSI interface that supports high data transfer rates (4.75 MB/ sec), overlapped seeks and latency, and performance features such as Read/Look-Ahead.

The Controller employs two microprocessors to manage the peripheral and Data General interface technology. It is programmed in C for easier maintainability, faster updates, and more design flexibility.
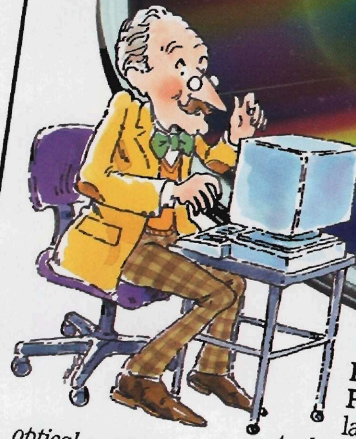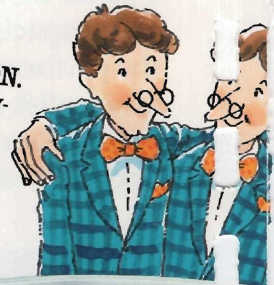
Magneto-Optical Drive

The magneto-optical disk technology is a dramatic advancement in optical storage because

Zetaco's newest exclusive... General MV's, the SKR-60... technology in the 5¼"...

Moves to AViiON. With its industry-standard SCSI interface, the SKR-600 drive can connect to the AViiON in your future.

Reusable Platters. The latest in optical technology, magneto-optical, enables unlimited data updates, so you can reuse platters and keep media costs low.
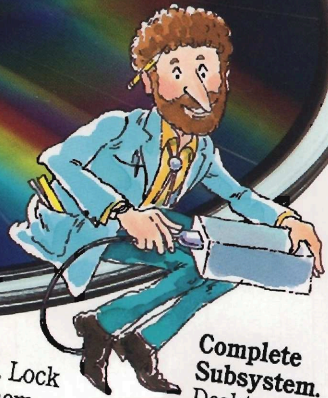
riteable
al Disk

data storage subsystem for Data
0, offers rewriteable optical disk
l ctor.

Argus Emulation.
Fully compatible
with Data General
drivers...random
access opera-
tion for high-
est optical
performance.

594

High Capacity.
594 megabytes
per 5¼" platter...
a perfect comple-
ment to your
present magnetic
data storage.

emovable Media. Lock
em away, stack them
ship them out! And,
SKR-600 platters on
subsystems on other
General CPU's.

**Complete
Subsystem.**
Desktop drive,
controller and cables,
all formatted, ready
to plug & play in
your MV.

ETA ⊙

or Storage Company

---

of its *full re-
writeability* on
a high capacity
removable car-
tridge, similar
to winchester
fixed-disk tech-
nology. It uses
a low-powered
laser beam, in
conjunction with
a magnetic field,
to record, read,
erase, and re-write
the data.

Cabling

A high-impedance
(120-ohm), 9-foot
drive-to-controller
cable is standard with
the subsystem, and
optional length cables
are available. Total
cable length of the
subsystem may be up to
6 meters (19.7 feet).
Up to four *magneto-
optical* drives are
supported on a single
controller.

Magnetic Disk
Support

The SCZ-3 Controller
also supports synchronous
and asynchronous magnetic
disk drives with the SCSI
interface. Call Zetaco for
details about add-on mag-
netic drives for your
SKR-600.

Takes You Into
The Future

SKR-600 components adhere
to industry standards, and can,
therefore, attach to other sys-
tems, should the need arise. The
SKR drive has a SCSI interface,
so will connect directly to most
workstations, including AViiON.
The optical media meets ISO stan-
dards, so can be read on other
5¼" rewriteable optical drives.

Deliverables

- Magneto-Optical Drive, 5¼"
  form factor, in desktop
  enclosure.
- 1 magneto-optical 5¼" media
  cartridge, factory-formatted.
- SCZ-3 Disk Controller.
- Backplane interface paddle-
  board and internal cable.
- 9-foot SCSI cable to connect
  drive to MV chassis.
- Set of two BMC jumper cables
  and one BMC terminator plug.
- Software Support Tape with
  boot program and diagnostics.
- Technical Manual for installa-
  tion, usage, and maintenance.

Optical Drive Specifications

Drive Dimensions:
5¼" H x 8" W x 12½" D

Media: 130mm (5¼") double-sided magneto-optical disk cartridge

Formatted Capacity: 594 megabytes per platter (297 megabytes per side)

Disk Format: ISO/ANSI Standards

Data Transfer Rate: 620 KB/sec

Sectors per Track: 31

Number of Tracks: 18751 per side

Rotational Mode: CAV

Rotational Speed: 2400 rpm

Average Latency: 12.5 milliseconds

Average Seek Time: 95 milliseconds

Operating Environment:
Temperature = 5°C to 40°C
Relative Humidity = 10% to 80%
Temperature Gradient = 10°C/hr

Non-Operating Environment:
Temperature = -20°C to 60°C
Relative Humidity = 5% to 90%

Warranty: 6 months from date of shipment

Shipping Weight of Subsystem:
30 lbs. (7 kg)

Controller Specifications

Emulation: Data General's Argus/DPJ

Drives Supported: Up to 7 Synchronous and Asynchronous disk drives (magnetic and/or rewriteable optical). Contact Zetaco for information on tested peripherals.

Bus Interface: Data General's high speed BMC (Burst Multiplexor Channel).

Operating Systems: Data General's AOS/VS, AOS/VS-II, and DG/UX, unmodified.

Data Transfer Rate: SCZ-3 supports the maximum rate of the synchronous SCSI bus: 4 MB/sec sustained and up to 4.75 MB/sec burst.

Slot for Controller: Requires an I/O Only slot in Data General chassis.
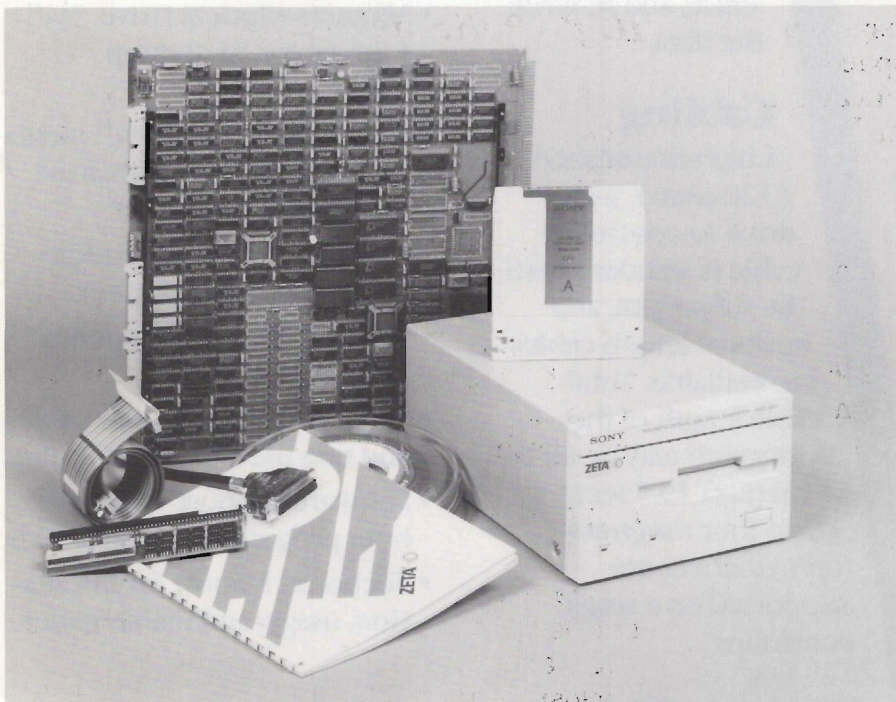
Power: +5 VDC @ 8 amps

Dimensions: 15" x 15"
(38 cm x 38 cm)

Cabling: A 9-ft. SCSI (single-ended) cable is provided, along with two 4-position BMC jumper cables and one 28" internal ribbon cable.

Warranty: 2 years from date of purchase.

Zetaco continually strives to improve its products and services; therefore, product descriptions and specifications herein are subject to change without prior notice.

Copyright 1990, Zetaco, Inc.

ZETA