



The FES-1 directly replaces LP/FD interface floppy drives with the ARRAID AFFD solid state floppy disk technology

Solid State Plug-in Upgrade for LP/FD Floppy Drives

Solid State Upgrade for Gould/SEL Floppy Disks

FEATURES

- Auto-Standby Mode
- Selectable Drive ID
- Rack Mount Enclosure
- Power-on Indicator
- Quality Drive Components
- Gould/SEL Encore Interface
- Arraid FLOPPYFlash Drive (AFFD) is a Solid State drive offering greatly increased reliability MTBF (and media life)

FULLY PLUG COMPATIBLE WITH ENCORE

The solid state FES-1 replaces dual 8" floppy drives and dual 5¼" floppy drives used as boot devices on Gould/SEL and Encore computer systems. It is available with 3½", 5¼", or a combination, in three different models.

- The FES-1 uses the Arraid FLOPPYFlash Drive (AFFD) which is a Solid State Floppy Disk drive
- AFFD offers industrial grade (SLC) solid state flash technology

MEDIA

The CompactFlash (CF) media in the ARRAID FLOPPYFlash Drive (AFFD) is treated exactly the same as the floppy disk media. All drive data is stored on the CF media as if were the original floppy diskette media. Media rotation procedures can be maintained.

FES-1 is fully plug compatible with the Gould/SEL Line Printer/Floppy Disk (LP/FD) controller, and is easy to install. It is housed in a universal chassis for rack mount or table top

use. Rack mounting ears are provided with the unit for mounting in standard 19" racks and cabinets.

UNIT ID SELECT

An internal jumper allows either floppy drive to be set as the default Unit 0 for boot purposes. The drive ID can be reversed with jumpers inside the FES-1.

SOFTWARE COMPATIBLE

Encore currently distributes machine language for older computer cold start, operating system, and diagnostic software on 5¼" or 3½" media, that is compatible with the FES-1. An operating system utility allows for formatting of new media and copying of existing media to new. This utility can target either floppy drive Unit 0 or Unit 1. The FES-1 is fully compatible with the operating system disk utilities.

NETWORK FEATURE

AFFD network feature option offers LAN network (ethernet-based) back-up and restore capability directly from the AFFD using the on board RJ45 Network port. No additional software or register changes are required to the legacy host.

Includes FLASH2GUI Software - Optional ethernet support feature for centralised backup and restore capability removing the need to rotate media. Primary data storage is always written to the CF card. Only available on AEM with AFFD drive installed.

HIGHER DATA TRANSFER RATES

Some host controllers are capable of data transfer rates well beyond those of the original floppy disk drive. The FES-1 supports up to 10 Mbits per second, which can provide an increase in transfer rate when used with these controllers.

MAINTENANCE FREE

The FES-1 carries a 1 year warranty and uses the latest technology solid state for low maintenance operation. AFFD drives are rated in excess of 8,000,000 hours MTBF.

SPECIFICATIONS

INTERFACE

Gould/SEL Encore 8" LP/FD Floppy Interface, 50-pin IDC connector. Bytes/Sector - 512

UNIT ID SELECT

F0, F1 drive selectable. Internal jumper selectable.

STANDBY MODE

Automatic with 2.5 minutes delay. Internal jumper disable.

RELIABILITY

MTBF 200,000+ hours
MTTR 15 minutes

POWER

Input Voltage 90 - 265 VAC (Auto-sensing)
Frequency 47 - 63 Hz
Power 25 Watts (Typical)

PHYSICAL

High x Wide x Deep; Weight
Rack Mount 3.5 in. x 16.9 in. x 10.75 in.; 15 lbs

Specifications subject to change without notice.

AVAILABLE MODELS

FES-1/33-AFFD Solid State Dual drive system, 3½" Arraid FLOPPYFlash drives.

FES-1/53-AFFD Solid State Dual drive system, 3½" & 5¼" Arraid FLOPPYFlash drives.

FES-1/55-AFFD Solid State Dual drive system, 5¼" Arraid FLOPPYFlash drives.

**A further AFD Network feature option offers LAN network (ethernet-based) back-up and restore capability directly from the AFD. No additional software or register changes are required to the legacy host.*

FLASH2GUI Software - Optional ethernet support feature for centralised backup and restore capability removing the need to rotate media. Primary data storage is always written to the CF card. More details on FLASH2GUI backup & restore software.