

MicroByte

Software for the 2650

ACOS

ACOS is an Audio Cassette Operating System which offers a wide range of features. These include exceptional reliability, extremely fast data transfer rates, the ability to name files and to control the motors of two cassette recorders.

The ACOS program is supplied in a 1K EPROM originated at 6000 and requires only a minor hardware addition to the computer because all data encoding and decoding is performed by software. An ACOS compatible BINBUG monitor is required to include the ACOS commands as part of the monitor command set and perform buffer transfers. Details of the changes required are included in the comprehensive manual which is supplied with ACOS. Files may have names which are up to eight characters long.

Utility programs are provided to CATALOG and COPY tapes, and to load and dump 110 Baud ASCII, and 300 Baud and 1200 Baud Binary format tapes using ACOS hardware. The load - dump utilities are provided to allow existing tapes to be converted to ACOS format and programs to be exchanged with non - ACOS users.

ACOS has been carefully engineered to allow each of the internal subroutines to be called by user programs, and because of this, the inclusion of ACOS tape utilities in a pre-existing program is a straightforward procedure. Since the computer controls the motors of the cassette recorders, ACOS permits file replacement.

The ACOS tape system is supported by all MicroByte software and is considered by us to be second only to a floppy disc system.

FEATURES

- Very high reliability.
- Extremely fast data transfer rate (3000 Baud equivalent, about 6 seconds / K average data rate).
- Named files with filenames up to eight characters in length.
- Computer control of the recorder motors.
- Very simple hardware interface.
- All internal routines are accessible as subroutines.
- Compatible with other tape systems using Load - Dump utility programs.
- Utilities are provided to COPY and CATALOG tapes.
- Available for 1MHz or 2MHz CPU clock rate.

REQUIREMENTS

EPROM space 6000 - 63FF
 Scratch RAM 0440 - 055F
 Minimal hardware interface
 connected to ports C and D (version 2.C), or
 connected to Extended ports (version 3.C)
 ACOS compatible BINBUG monitor EPROM
 One or two cassette recorders

COST

ACOS EPROM, Manual with source listing and Cassette tape containing utility programs.	\$ 60
PCB for ACOS interface (45mm x 105mm)	\$ 5
ACOS compatible BINBUG EPROM	\$ 40
Post and packing	
Surface mail within Australia	\$ 2
Airmail - Australia, Zone 1 and Zone 2	\$ 5
- Anywhere else	\$ 10

AVAILABILITY

Counter Sales - Sydney

APPLIED TECHNOLOGY.
 1a Pattison Ave.,
 Waitara. 2077

Mail order sales

MicroByte,
 P.O. BOX 274,
 Belconnen. 2616

