

SMALL FILE SERVER

One Page Overview

This product, while primarily an AppleBus file server, is really 3 products. 1) A small file server (SFS) providing entire-file-at-a-time storage and retrieval on 10 mBytes; 2) A direct connect device to Macintosh providing a personal, 10 Mbyte rigid disk; 3) A product to which a larger disk drive(s) and tape drive can be added to provide 70 mByte and larger file servers. The target date for 1 & 2 above is 4CQ84

FUNCTIONALITY

File server - For the small file server at first release the functionality from a workstation will allow the listing of files on the SFS and storage, retrieval, renaming and deletion of entire files. The SFS will allow password protection of files and access mediation. The file server also has a maintenance mode which will support installation, diagnosis, repair and backup. Future versions may support remote access to files on a page basis. The SFS will allow additional software functions to be added on top of its scheduler - eg, print spooling, mail server, calendar shared data storage.

Direct connect - In this mode this product will communicate with the Mac at 1 mBit. It will either look like a Profilish device or an external file system - TBD.

Larger file server - This variant will have the same functionality as the SFS, but will include additional/other backup/maintenance support - TBD.

SOFTWARE

The first release software includes both the SFS and an application on Mac to access the SFS. SFSAccess is currently a Mac app. We're investigating integrating it more into the finder through a desk ornament. The SFS itself will be built on a variant of the Mac OS ported to the SFS hardware.

A second mode of the file server will support a range of installation and maintenance functions. SFSMaintain is an ordinary Mac app that controls the SFS when in this mode.

HARDWARE

Motorola 68000 CPU

128K RAM (upgradable to 512K with 256K parts)

64K ROM (assuming Mac gives us the parts cheaply enough to exceed 64K)

Widget and analog boards, not including controller (parallel interface support)

10 mByte, switching to 20 mByte, half-height 1CQ85

Astec 8151 power supply

SCC chip - 2 DB9 jacks (AppleBus and Asynch)

On/off switch and status light

Packaging being worked - 240x220x125 approximately - internal metal cage

Widget interface and controller - TBD - see issues

Large disk interface and controller - TBD - see issues