Tech Info Library

System 7: Specifications (9/95)

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Revised:        9/8/95
Security:       Everyone


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TOPIC ------------------------------------------------------------

This article contains some specifications of Macintosh System 7.


DISCUSSION -------------------------------------------------------

Built-in Fonts
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Two types of fonts are supplied with System 7: TrueType and bitmapped.
TrueType fonts include:
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- Times (plain, bold, italic, and bold italic)
- Helvetica (plain and bold)
- Symbol
- Courier (plain and bold)
- Chicago
- New York
- Monaco
- Geneva

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Print Drivers
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The following print drivers are included with System 7
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- ImageWriter and AppleTalk ImageWriter
- LaserWriter
- Personal LaserWriter LS
- Personal LaserWriter SC
- ImageWriter LQ and AppleTalk ImageWriter LQ
- StyleWriter

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Networking Capabilities
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With System 7, the AppleTalk network system supports LocalTalk, Ethernet
(EtherTalk), or Token Ring (TokenTalk). Over 16 million nodes per network
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are provided for with AppleTalk Phase II networking. Using Macintosh file
sharing, up to 10 folders per machine can be shared, each having an
unlimited number of enclosed folders. Up to 10 guest users can be
connected to a networked hard disk, with up to 50 guest users identified in
the Users and Groups file. User management is built into the software to
allow entry of user names, passwords, group memberships, and access
privileges for opening and modifying files.

Memory and Storage

With 24-bit addressing, up to 8MB of physical memory can be accessed and up
to 14MB of memory can be accessed with virtual memory, depending on which
model Macintosh is being used. With 32-bit addressing, 1 gigabyte of
physical memory is accessible (without taking into account the hardware
limitations) and up to 1 gigabyte of virtual memory is accessible.

A minimum of 2MB of RAM is required to run System Software Version 7.0. The
amount of memory used by System 7 alone (without any additional third party
software) is 1MB to 1.25MB, depending on configuration.

Approximately 2.5MB to 4MB of disk space is consumed by System 7,
depending on configuration.

Compatibility

System 7 is compatible with most Macintosh System 6 applications. The
processor is compatible with 68000, 68020, and 68030 microprocessors, 68851
Paged Memory Management Unit (PMMU), and 68881 and 68882 floating-point
units (FPUs).

Disk Formats

The following disk formats are supported by System 7: 400K, 800K, 1.4MB
Macintosh disks, 720K and 1.44MB read/write MS-DOS or OS/2.

Files and Volumes

Up to 31 characters with mixed case, spaces, and symbols are allowed with
System 7's file naming conventions.

Maximum file and volume size is 2 gigabytes. The maximum number of files
per volume is 65,536.

The maximum number of volumes open at once as well as the maximum number
of tasks supported are limited only by the amount of available system
memory.

Sound

Sound can be played from disk and input to disk. The maximum number of
simultaneous sound channels is 4.

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08 Sep 1995 - Reviewed for technical accuracy.
17 Sep 1992 - Reviewed for technical accuracy.
27 Sep 1991 - Updated for accuracy.

Support Information Services

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