Apple

Spec Database

System Fact Sheet

Apple II

SYSTEM

Introduced: August 1978
Discontinued: June 1983
Gestalt ID:
Form Factor: Apple II
Weight (lbs.): 12
Dimensions (inches): 4.5 H x 15.1 W x 18 D

Codename:
Oder Number:
KB Article #: 105

POWER

Max. Watts: 60
Amps: .5
BTU Per Hour: 205.2
Voltage Range: 107-135
Freq'y Range (Hz): 50-60
Battery Type:
☐ **Soft Power**
☐ **Monitor Power Outlet**

PORTS

ADB: 0
Video: VGA
Floppy: none
SCSI: none
GeoPort Connectors: none
Ethernet: none
Microphone Port Type:
☐ **Printer** ☒ **Speaker**
☐ **Modem** ☐ **Headphone**
☐ **Airport** ☐ **Remote Control**

VIDEO

Built-in Display:

VRAM Speed: VRAM Needed:

Video Configuration:
6 color at 280x192
4-bit color at 40x48

Maximum Color Bit-depth[1] At:

512 x384	640 x400	640 x480	640 x870[2]	800 x600	832 x624	1024 x768	1152 x870	1280 x1024

[1] 1-bit = Black & White; 2-bit = 4 colors; 4-bit = 16 colors; 8-bit = 256 colors; 16-bit = Thousands; 24-bit = Millions
[2] The maximum color depth listed for 640x870 is 8-bit, reflecting the capabilities of the Apple 15" Portrait Display.

LOGIC BOARD

Main Processor: MOS 6502, 1 MHz
PMMU: none
FPU: none
Data Path: 8-bit, 1 MHz
L1 Cache: n/a
L2 Cache: n/a
Secondary Processor: n/a
Slots: 8 proprietary

MEMORY

Memory on Logic Board: 4k
Minimum RAM:
Maximum RAM: 64k
RAM Slots: expansio
Minimum RAM Speed:
RAM Sizes:
Install in Groups of:

SOFTWARE

☐ **Speech Recognition Supported**

Addressing Modes:
Original SSW:
Original Enabler:

ROM ID:
ROM Version:
ROM Size: 12k
AppleTalk Version:

Supported Macintosh System Software:

☐ A/UX 1.0	☐ NOS 1.11	☐ ProDOS ☐
☐ A/UX 1.11	☐ NOS 1.3	☐ GS/OS ☐
☐ A/UX 2.0	☐ NOS 2.0	☐ NeXTStep 1.x ☐
☐ A/UX 3.0.1	☐ NOS 2.1	☐ NeXTStep 2.x ☐
☐ A/UX 4.1.4	☐ LOS 7/7	☐ NeXTStep 3.x ☐
☐ A/UX 4.1.4.1	☒ DOS 3.1	☐ OpenStep ☐
☐ A/UX 4.1.5	☐ SOS 1.3	☐ <1.0 ☐

SOUND

☐ **Built-in Microphone**

Microphone Port Type:
Sound In:
Sound Out: mono, 8-bit

STORAGE

☐ **Supports Internal CD-ROM**

Floppy Size:
Floppy Inject: manual
Internal HD Size:
Internal HD Interface:
Original CD-ROM Speed:

HISTORY

Built in 1977, the Apple II was based on Wozniak's Apple I design, but with several additions. The first was the design of a plastic case--a rarity at the time--which was painted beige. The second was the ability to display color graphics--a holy grail in the industry. The Apple II also included a larger ROM, more expandable RAM (4K to start), and 8 expansion slots. It had integer BASIC hard-coded on the ROM for easier programming, and included two game paddles and a demo cassette for $1,298. In early 1978 Apple also released a disk drive for the machine, one of the most inexpensive available. The Apple II remained on the Apple product list until 1980. It was also repackaged in a black case and sold to educational markets by Bell & Howell.