



**System Fact Sheet**

**SYSTEM**

**Introduced:** October 1993  
**Discontinued:** May 1994  
**Gestalt ID:** 38  
**Form Factor:** PowerBook Duo  
**Weight (lbs.):** 4.2  
**Dimensions (inches):** 1.4 H x 10.9 W x 8.5 D

**Codename:** Ansel  
**Oder Number:** M1933LL/A  
**KB Article #:** 13727

**POWER**

**Max. Watts:** 25  
**Amps:** 1.04  
**BTU Per Hour:** 85.5  
**Voltage Range:** 100-240  
**Freq'y Range (Hz):** 50-60  
**Battery Type:** Duo, NiMH Type II  
 **Soft Power**  
 **Monitor Power Outlet**

**PORTS**

**ADB:** 0  
**Video:** none  
**Floppy:** none  
**SCSI:** none  
**GeoPort Connectors:** none  
**Ethernet:** none  
**Microphone Port Type:** none

**Printer**     **Speaker**  
 **Modem**     **Headphone**  
 **Airport**     **Remote Control**

**VIDEO**

**Built-in Display:** 9" active matrix LCD

	512	640	640	640	800	832	1024	1152	1280
<b>VRAM Speed:</b>	x384	x400	x480	x870 <sup>2</sup>	x600	x624	x768	x870	x1024
<b>VRAM Needed:</b>	80 ns	built in							
<b>Video Configuration:</b>	n/a	4	n/a	n/a	n/a	n/a	n/a	n/a	n/a

**Maximum Color Bit-depth<sup>1</sup> At:**

<sup>1</sup> 1-bit = Black & White; 2-bit = 4 colors; 4-bit = 16 colors; 8-bit = 256 colors; 16-bit = Thousands; 24-bit = Millions

<sup>2</sup> The maximum color depth listed for 640x870 is 8-bit, reflecting the capabilities of the Apple 15" Portrait Display.

**LOGICBOARD**

**Main Processor:** 68030, 33 MHz  
**PMMU:** integrated  
**FPU:** opt. in Dock  
**Data Path:** 32-bit, 33 MHz  
**L1 Cache:** 0.5K  
**L2 Cache:** none  
**Secondary Processor:** none  
**Slots:** modem, dock

**MEMORY**

**Memory on Logic Board:** 4 MB  
**Minimum RAM:** 4 MB  
**Maximum RAM:** 24 MB  
**RAM Slots:** 1 Duo  
**Minimum RAM Speed:** 70 ns  
**RAM Sizes:** 4-20 MB  
**Install in Groups of:** 1

**SOFTWARE**

**Speech Recognition Supported**

**Addressing Modes:** 24-, 32-bit  
**Original SSW:** 7.1  
**Original Enabler:** PowerBook Duo Enabler v1.0

**ROM ID:** \$067C  
**ROM Version:** n/a  
**ROM Size:** 1MB  
**AppleTalk Version:** 57.0.4

**Supported Macintosh System Software:**

<input type="checkbox"/> A/UX 1.0	<input type="checkbox"/> NOS 1.11	<input type="checkbox"/> ProDOS	<input type="checkbox"/>
<input type="checkbox"/> A/UX 1.11	<input type="checkbox"/> NOS 1.3	<input type="checkbox"/> GS/OS	<input type="checkbox"/>
<input type="checkbox"/> A/UX 2.0	<input type="checkbox"/> NOS 2.0	<input type="checkbox"/> NeXTStep 1.x	<input type="checkbox"/>
<input type="checkbox"/> A/UX 3.0.1	<input type="checkbox"/> NOS 2.1	<input type="checkbox"/> NeXTStep 2.x	<input type="checkbox"/>
<input type="checkbox"/> A/UX 4.1.4	<input type="checkbox"/> LOS 7/7	<input type="checkbox"/> NeXTStep 3.x	<input type="checkbox"/>
<input type="checkbox"/> A/UX 4.1.4.1	<input type="checkbox"/> DOS 3.1	<input type="checkbox"/> OpenStep	<input type="checkbox"/>
<input type="checkbox"/> A/UX 4.1.5	<input type="checkbox"/> SOS 1.3	<input type="checkbox"/> <1.0	<input type="checkbox"/>

**SOUND**

**Built-in Microphone**

**Microphone Port Type:** none  
**Sound In:** mono, 8-bit  
**Sound Out:** mono, 8-bit

**STORAGE**

**Supports Internal CD-ROM**

**Floppy Size:** none  
**Floppy Inject:** n/a  
**Internal HD Size:** 200MB  
**Internal HD Interface:** SCSI  
**Original CD-ROM Speed:**

**HISTORY**

Announced in October 1993, the Duo 250 was exactly the same as the Duo 230, except it had a 4-bit active-matrix screen. It sold for \$2,500 and was discontinued in May 1994.