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Books & Buyer's Guides

Apple Mac Pro Specifications Page - Comparing The August 2006 Quad Core And April, 2007 - 8 Core Intel Xeon Mac Pros To The October 2005 G5 Power Macs



The table below shows the major specifications and features for Apple's August 2006 and April 2007 Mac Pros and October 2005 Power Macs. Different configurations for the Power Macs are based on Apple's [Online Store](#). Vendor's configurations may vary. Configurations and prices reflect that of the machines when they were introduced



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August/April 2006 Quad/ Eight Core Intel Xeon Mac Pros

Mac Pro Model/MHz	Two 2GHz Dual-Core Intel Xeon 5100 series processors	Two 2.66GHz Dual-Core Intel Xeon 5100 series processors	Two 3GHz Dual-Core Intel Xeon 5100 series processors	Two 3.0GHz Quad-Core Intel Xeon 5300 series processors
	4MB shared L2 cache per processor	4MB shared L2 cache per processor	4MB shared L2 cache per processor	8MB shared L2 cache per processor
	64-bit data paths and registers	64-bit data paths and registers	64-bit data paths and registers	64-bit data paths and registers
	Z0D8-2GHZ250GB	MA356LL/A	Z0D8-3GHZ250GB	Z0D8-8C3GHZ1GB

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Bus Speed (MHz)	1.33GHz, 64-bit dual independent frontside buses	1.33GHz, 64-bit dual independent frontside buses	1.33GHz, 64-bit dual independent frontside buses	1.33GHz, 64-bit dual independent frontside buses
RAM	1GB 667Mhz DDR2, ECC Fully-Buffered FB-DIMM 16GB max Eight FB-DIMM slots	1GB 667Mhz DDR2, ECC Fully-Buffered FB-DIMM 16GB max Eight FB-DIMM slots	1GB 667Mhz DDR2, ECC Fully-Buffered FB-DIMM 16GB max Eight FB-DIMM slots	1GB 667Mhz DDR2, ECC Fully-Buffered FB-DIMM 16GB max Eight FB-DIMM slots
Graphics Support	NVIDIA GeForce 7300 GT (single-link DVI/dual-link DVI) 256MB of GDDR2 SDRAM Support for digital resolutions up to 1920 by 1200 pixels; dual-link DVI ports support up to 2560 by 1600 pixels Support for analog resolutions up to 2048 by 1536 pixels One single-link DVI port	NVIDIA GeForce 7300 GT (single-link DVI/dual-link DVI) 256MB of GDDR2 SDRAM Support for digital resolutions up to 1920 by 1200 pixels; dual-link DVI ports support up to 2560 by 1600 pixels Support for analog resolutions up to 2048 by 1536 pixels One single-link DVI port	NVIDIA GeForce 7300 GT (single-link DVI/dual-link DVI) 256MB of GDDR2 SDRAM Support for digital resolutions up to 1920 by 1200 pixels; dual-link DVI ports support up to 2560 by 1600 pixels Support for analog resolutions up to 2048 by 1536 pixels One single-link DVI port	NVIDIA GeForce 7300 GT (single-link DVI/dual-link DVI) 256MB of GDDR2 SDRAM Support for digital resolutions up to 1920 by 1200 pixels; dual-link DVI ports support up to 2560 by 1600 pixels Support for analog resolutions up to 2048 by 1536 pixels One single-link DVI port

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	<p>One dual-link DVI port DVI to VGA adapter included</p> <p>Double-wide 16-lane PCI Express graphics slot</p> <p>Dual display support for extended desktop and video mirroring modes</p> <p>Support for up to eight displays</p> <p>300W for up to four PCI Express graphics cards</p>	<p>One dual-link DVI port DVI to VGA adapter included</p> <p>Double-wide 16-lane PCI Express graphics slot</p> <p>Dual display support for extended desktop and video mirroring modes</p> <p>Support for up to eight displays</p> <p>300W for up to four PCI Express graphics cards</p>	<p>One dual-link DVI port DVI to VGA adapter included</p> <p>Double-wide 16-lane PCI Express graphics slot</p> <p>Dual display support for extended desktop and video mirroring modes</p> <p>Support for up to eight displays</p> <p>300W for up to four PCI Express graphics cards</p>	<p>One dual-link DVI port DVI to VGA adapter included</p> <p>Double-wide 16-lane PCI Express graphics slot</p> <p>Dual display support for extended desktop and video mirroring modes</p> <p>Support for up to eight displays</p> <p>300W for up to four PCI Express graphics cards</p>
Expansion Slots	<p>Four independent 3Gb/s Serial ATA cable-free, direct attach hard drive bays;</p> <p>One open optical drive bay for optional second SuperDrive</p> <p>Three open full-length PCI Express expansion slots</p> <p>Configurable bandwidth that mechanically supports 16-lane cards</p> <p>Expansion slot for optional 54 Mbps AirPort Extreme Card</p>	<p>Four independent 3Gb/s Serial ATA cable-free, direct attach hard drive bays;</p> <p>One open optical drive bay for optional second SuperDrive</p> <p>Three open full-length PCI Express expansion slots</p> <p>Configurable bandwidth that mechanically supports 16-lane cards</p> <p>Expansion slot for optional 54 Mbps AirPort Extreme Card</p>	<p>Four independent 3Gb/s Serial ATA cable-free, direct attach hard drive bays;</p> <p>One open optical drive bay for optional second SuperDrive</p> <p>Three open full-length PCI Express expansion slots</p> <p>Configurable bandwidth that mechanically supports 16-lane cards</p> <p>Expansion slot for optional 54 Mbps AirPort Extreme Card</p>	<p>Four independent 3Gb/s Serial ATA cable-free, direct attach hard drive bays;</p> <p>One open optical drive bay for optional second SuperDrive</p> <p>Three open full-length PCI Express expansion slots</p> <p>Configurable bandwidth that mechanically supports 16-lane cards</p> <p>Expansion slot for optional 54 Mbps AirPort Extreme Card</p>

Hard Drive	250GB Serial ATA 3Gb/s, 7200-rpm, 8MB cache	250GB Serial ATA 3Gb/s, 7200-rpm, 8MB cache	250GB Serial ATA 3Gb/s, 7200-rpm, 8MB cache	250GB Serial ATA 3Gb/s, 7200-rpm, 8MB cache
Optical Drive	16x SuperDrive with double-layer support (DVD+R DL/DVD±RW/CD- RW) Writes DVD-R discs at 16x Writes DVD+R DL discs at up to 6x Reads DVDs at up to 16x Writes CD-R and CD-RW discs at up to 24x Reads CDs at up to 32x	16x SuperDrive with double-layer support (DVD+R DL/DVD±RW/CD- RW) Writes DVD-R discs at 16x Writes DVD+R DL discs at up to 6x Reads DVDs at up to 16x Writes CD-R and CD-RW discs at up to 24x Reads CDs at up to 32x	16x SuperDrive with double-layer support (DVD+R DL/DVD±RW/CD- RW) Writes DVD-R discs at 16x Writes DVD+R DL discs at up to 6x Reads DVDs at up to 16x Writes CD-R and CD-RW discs at up to 24x Reads CDs at up to 32x	16x SuperDrive with double-layer support (DVD+R DL/DVD±RW/CD- RW) Writes DVD-R discs at up to 16x speed Writes DVD+R DL discs at up to 8x speed Reads DVDs at up to 16x speed Writes CD-R discs up to 32x speed Writes CD-RW discs at up to 24x speed Reads CDs at up to 32x speed
Communication	Optional 54 Mbps AirPort Extreme Card Two independent 10/100/1000BASE- T Ethernet (RJ-45) interfaces with support for jumbo frames Optional external Apple USB Modem Optional Bluetooth 2.0+Enhanced Data Rate (EDR) up to 3Mbps	Optional 54 Mbps AirPort Extreme Card Two independent 10/100/1000BASE- T Ethernet (RJ-45) interfaces with support for jumbo frames Optional external Apple USB Modem Optional Bluetooth 2.0+Enhanced Data Rate (EDR) up to 3Mbps	Optional 54 Mbps AirPort Extreme Card Two independent 10/100/1000BASE- T Ethernet (RJ-45) interfaces with support for jumbo frames Optional external Apple USB Modem Optional Bluetooth 2.0+Enhanced Data Rate (EDR) up to 3Mbps	Optional 54 Mbps AirPort Extreme Card Two independent 10/100/1000BASE- T Ethernet (RJ-45) interfaces with support for jumbo frames Optional external Apple USB Modem Optional Bluetooth 2.0+Enhanced Data Rate (EDR) up to 3Mbps

Connectivity	Five USB 2.0 ports (two on front panel, three on back panel) Two FireWire 800 ports (one on front panel, one on back panel) Two FireWire 400 ports (one on front panel, one on back panel) Optical digital audio input and output Toslink connectors Stereo analog line level input and line level output minijacks	Five USB 2.0 ports (two on front panel, three on back panel) Two FireWire 800 ports (one on front panel, one on back panel) Two FireWire 400 ports (one on front panel, one on back panel) Optical digital audio input and output Toslink connectors Stereo analog line level input and line level output minijacks	Five USB 2.0 ports (two on front panel, three on back panel) Two FireWire 800 ports (one on front panel, one on back panel) Two FireWire 400 ports (one on front panel, one on back panel) Optical digital audio input and output Toslink connectors Stereo analog line level input and line level output minijacks	Five USB 2.0 ports (two on front panel, three on back panel) Two FireWire 800 ports (one on front panel, one on back panel) Two FireWire 400 ports (one on front panel, one on back panel) Optical digital audio input and output Toslink connectors Stereo analog line level input and line level output minijacks
Operating System	10.4	10.4	10.4	10.4
Notes	Weight: 42.4lbs (19.2 kg)	Weight: 42.4lbs (19.2 kg)	Weight: 42.4lbs (19.2 kg)	Weight: 42.4lbs (19.2 kg)



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October 2005 Dual Core G5 Power Macs

Power Mac Model/MHz	G5/2.0 GHz Dual Core 1MB L2 @ 2.0 GHz Per Core M9590LL/A	G5/2.3 GHz Dual Core 1MB L2 @ 2.3 GHz Per Core M9591LL/A	G5/2.5 GHz 2X Dual Core (4 Cores) 1MB L2 @ 2.5 GHz Per Core M9592LL/A
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