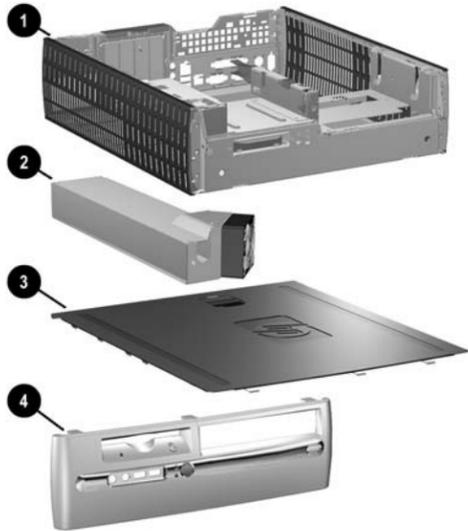


hp business desktop d325

illustrated parts map
Slim Tower Chassis, AMD Processor



System Unit

1	Chassis assembly	not spared
2	Power supply, PFC	308617-001
3	Computer access panel	337238-001
4	Front bezel assembly with diskette drive bezel	337022-001

Mass Storage Devices (not illustrated)

*	40 GB\5400 RPM Hard drive	236921-001
*	80 GB\5400 RPM Hard drive	292208-001
*	40 GB\7200 RPM Hard drive	286692-001
*	80 GB\7200 RPM Hard drive	250185-001
*	160 GB\7200 RPM Hard drive	325306-001
*	250 HGB\7200 RPM Hard drive	344058-001
*	Diskette drive with mounting screws	333505-001
*	48X CD-ROM drive with mounting screws	326773-001
*	48X CD-ROM drive	340430-001
*	52X CD-ROM drive with mounting screws	333969-001
*	48X\24X\48X CDRW	325308-001
*	48X\24X\48X +16X DVD/CD-RW	325309-001
*	4X DVD+R/RW	325317-001
*	16X DVD-ROM drive	325313-001
*	Zip 250 drive with mounting bracket	333504-001
*	Zip 250 drive without mounting bracket	326772-001
*	Zip 750 drive without mounting bracket	344059-001
*	Zip 750 drive with mounting bracket	344060-001

* Not shown

Keyboards (not illustrated)

Smartcard, Easy Access Keyboard, USB 323746-xxx			
French Canadian	-121	People's Republic of China	-AA1
Japanese	-291	Taiwanese	-AB1
Korean (Hanguel)	-AD1	Thai	-281
International	-B31	U.S.	-001
Latin American Spanish	-161		

© 2003 Hewlett-Packard Development Company, L.P.

HP and the HP logo are trademarks of Hewlett-Packard Development Company, L.P.

All other product names mentioned herein may be trademarks of their respective companies.

HP shall not be liable for technical or editorial errors or omissions contained herein. The information in this document is provided "as is" without warranty of any kind and is subject to change without notice. The warranties for HP products are set forth in the express limited warranty statements accompanying such products. **Nothing herein should be construed as constituting an additional warranty.**

First Edition, August 2003

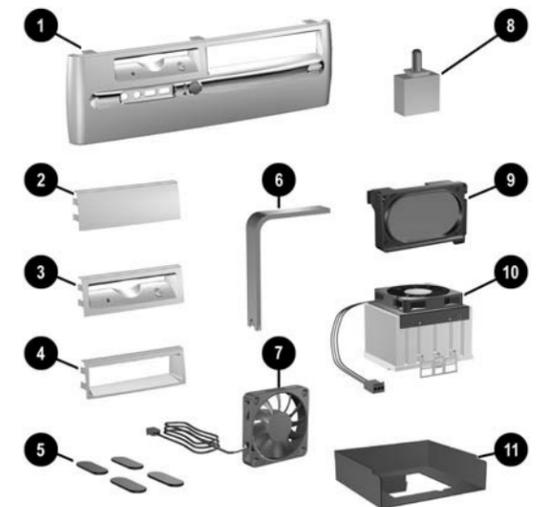
Document Number
344316-001



Cables

1	Diskette drive cable (168999-005)	337244-001
2	UATA data cable, 13.5" (108950-045)	337247-001
3	UATA data cable, 8.6" (108950-044)	337246-001
*	UATA data cable, dual device (108950-051)	342254-001
4	Audio cable (CD to system board) (387527-001)	149806-001
5	Power switch/LED cable with switch holder	337243-001
6	Front I/O device with cable	337242-001
*	Solenoid lock cable	255438-001
*	VGA cable (use with 335814-001)	285379-001
*	Wireless LAN antenna (use with 333364-001)	333365-001

*Not shown



Miscellaneous Parts

1	Front bezel assembly with diskette drive bezel	337022-001
*	5.25" Bay bezel blank	335937-001
2	Diskette drive bay bezel blank	337019-001
3	Diskette drive bezel with front bezel	337022-001
4	3.5" drive bay bezel (for Zip drive)	337021-001
*	Solenoid lock without cable	335810-001
5	Rubber foot (4 ea)	336445-001
6	Heatsink removal tool	337599-001
7	Chassis fan	342685-001
8	Hood sensor	267529-001
9	Speaker with housing	337249-001
10	Heatsink with thermal grease and alcohol pad	326771-001
11	Heatsink baffle	347099-001
*	Mouse, 2-Button, PS/2 with scroll wheel	323614-001
*	Mouse, 2-Button, USB, optical with scroll wheel	323617-001
*	Mouse, 2-Button, wireless with scroll wheel	323616-001
*	Mouse, 2-Button, USB, with scroll wheel	323615-001
*	Misc. screw kit, includes:	337237-001
*	M3 x 5mm, hitop (263585-001) 4 ea	
*	#6-32 x .250, hitop (262508-001) 8 ea	
*	#6-32 x .250, pan head (101517-037) 3 ea	
*	#6-32 x .312, hitop (262508-002) 4 ea	
*	#6-19 x .312, pan head (101346-068) 2 ea	
*	#6-19 x .315, T15 head (331310-001) 2 ea	
*	PCMCIA Card reader	338616-001
*	Drive Key, 16 MB	324780-001
*	Drive Key, 64 MB	331465-001
*	Drive Key, 128 MB	331466-001
*	Return kit with buns	337911-001
*	Real-time-clock battery	153099-001
*	Port control cover	340399-001
*	Nobel security lock without cable	335808-001
*	Nobel security lock with cable	335809-001

*Not shown

Standard and Optional Boards

1	System board with alcohol pad and thermal grease	322122-001
Memory Modules		
2	128 MB/266 MHz FSB	285648-001
*	256 MB/266 MHz FSB	285649-001
*	512 MB/266 MHz FSB	257526-001
*	1.0 GB/266 MHz FSB	286403-001
*	128 MB/333 MHz FSB	314795-001
*	256 MB/333 MHz FSB	314793-001
*	512 MB/333 MHz FSB	314796-001
*	1.0 GB/333 MHz FSB	314794-001

AMD Athlon Processors with alcohol pad and thermal grease

3	XP2200, 1.8 GHz/266 FSB	345752-001
*	XP2400, 2.0 GHz/266 FSB	345753-001

Other Cards

*	Lucent 56k modem with low profile bkt	277918-001
*	Wireless LAN PCI Adapter (802.11) w/o cable	333364-001
*	nVidia Quadro4 100 NVS, 32 M, low profile bkt	335814-001
*	nVidia GeForce FX128 M	342253-001
*	nVidia MX440 AGP	322891-001
*	NIC, 10/100/1000 Gigabit PCI adapter	321793-001
*	NIC, Intel Pro 1000 MT	338154-001

*Not shown

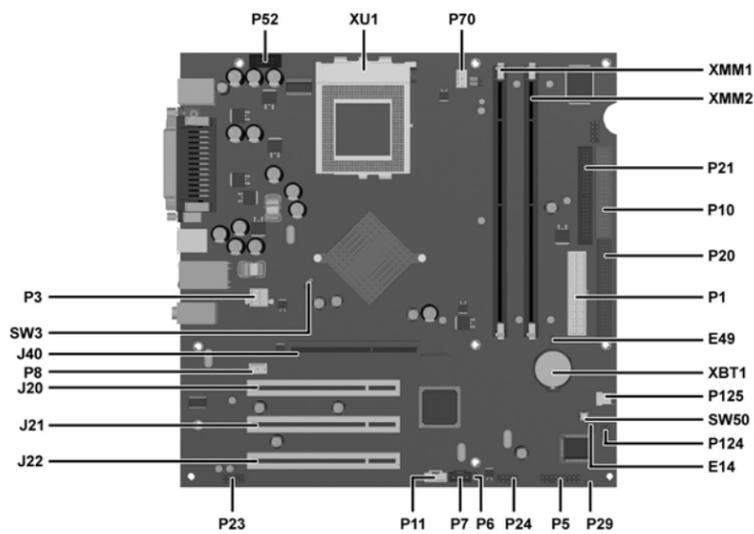
Keyboards (not illustrated)

Easy Access Keyboard, PS/2 323686-001-xxx 324634-001-xxx			
Europe*	-021	Latin American Spanish	-161
French Canadian	-121	People's Republic of China	-AA1
Japanese	-291	Taiwanese	-AB1
Korean (Hanguel)	-AD1	Thai	-281
International**	-B31	U.S.	-001

*For 324634-xxx keyboard only
**For 323686-xxx keyboard only

Wireless Keyboard

323745-xxx			
French Canadian	-121	People's Republic of China	-AA1
Japanese	-291	Taiwanese	-AB1
Korean (Hanguel)	-AD1	Thai	-281
International	-B31	U.S.	-001
Latin American Spanish	-161		



System Board Connectors and Jumpers

E14	Boot block jumper	P21	Secondary IDE
E49	Password jumper	P23	Audio
J20	PCI expansion slot 1	P24	Front USB
J21	PCI expansion slot 2	P29	SCSI LED
J22	PCI expansion slot 3	P52	Serial port
J40	AGP connector	P70	CPU fan
P1	Main power connector	P124	Hood lock
P3	CPU 12V reg input	P125	Hood sensor
P5	Power button/LED	SW3	Safe Mode jumper (default = 1-2)
P6	Internal speaker	SW50	CMOS reset
P7	CD audio	XBT1	Real-time clock battery
P8	Chassis fan	XMM1	Memory
P10	Diskette drive	XMM2	Memory
P11	Aux audio	XU1	Processor
P20	Primary IDE		

Interrupts

IRQ	System Resource	IRQ	System Resource
0	Reserved, interval timer	12	Onboard mouse port
1	Reserved, keyboard buffer full	13	Reserved, numeric data coprocessor
4	Serial Port (COM 1)	14	Primary IDE controller
5	PCI system management	15	Secondary IDE controller
6	Diskette drive controller	19	Integrated graphics (GPU)
8	Real-time clock	21	Integrated audio/USB host controller
9	ACPI-compliant system	22	Network interface card (NIC)

Computer Setup (F10) Utility Features (not all features may be available)

File	System Information About Set Time and date	Save to Diskette Restore From Diskette Set defaults and Exit	Ignore Changes and Exit Save Changes and Exit
Storage	Device Configuration Options IDE DPS Self-Test	Controller Order Boot Order	
Security	Setup Password Power-On Password Password Options Smart Cover	Smart Sensor DriveLock Master Boot Record Security Save Master Boot Record	Restore Master Boot Record Device Security Network Service Boot System IDs
Advanced	Power-On Options Onboard devices	PCI Devices Bus Options	Device Options PCI VGA Configuration

Note: See Computer Setup (F10) Utility Guide on the Documentation Library CD.

Clearing CMOS

1. Turn off the computer and any external devices, then disconnect the power cord from the power outlet.
2. Remove the access panel.
3. Locate the switch SW50 and press the button, holding it down for 5 seconds.
4. Replace the access panel.
5. Connect the power cord to the power outlet.
6. Turn on the computer, allow it to start.

Setting the Setup and Power-On Passwords

1. Turn off the computer and any external devices, then disconnect the power cord from the power outlet.
2. Remove the access panel.
3. Locate the header labeled E49.
4. Move the jumper from pins 1 & 2 to pins 2 & 3.
5. Replace the access panel.
6. Connect the power cord to the power outlet.

NOTE: Placing the jumper on pins 2 & 3 clears the current passwords and disables the password features.

7. To re-enable the password features, repeat steps 1-3, then replace the jumper on pins 1 & 2 (safe position).
8. Repeat steps 5-6, then establish new passwords.

Boot Block

1. Turn off the computer and any external devices, then disconnect the power cord from the power outlet.
2. Remove the access panel.
3. Locate switch E14.
4. With the jumper on, the boot block is write-enabled.
5. With the jumper off, the boot block is write-disabled.
6. Replace the access panel.
7. Connect the power cord to the power outlet. Turn on the system and allow it to start.

Diagnostic LEDs

LED	Color	Beeps	LED Activity	State/Message
Power	Red	none	2 blinks 1 every second, then 2 second pause	CPU thermal shutdown
Power	Red	none	On	Processor not installed
Power	Red	1	1 blink every 2 seconds	Power supply overload (crowbar) or 4-pin power cable from power supply not plugged into P3
Power	Red	5	5 blinks 1 every second, then 2 second pause	Pre video memory error
Power	Red	6	6 blinks 1 every second, then 2 second pause	Pre video graphics error
Power	Red	7	7 blinks 1 every second, then 2 second pause	PCA failure (ROM detected failure prior to video)
Power	Red	8	8 blinks 1 every second, then 2 second pause	Invalid ROM based on bad checksum

Keyboard Diagnostic LEDs

LED	Color	LED Activity	State/Message
Num, Caps, Scroll Lock	Green	Flash On-Off 2 times (Beeps - 1L, 3S)	Invalid system ROM detected. ROM forces reflash.
Num, Caps, Scroll Lock	Green	On (Rising Tone)	ROM reflashed successfully
Num Lock	Green	On	ROMPaq diskette not present, is bad, or drive not ready.*
Caps Lock	Green	On	Enter password.
Num, Caps, Scroll Lock	Green	Blink On in sequence, one at a time - N, C, SL	Keyboard locked in network mode

* Insert valid ROMPaq diskette in drive A. Turn power switch off, then on to reflash ROM. If ROM flash is successful, all three keyboard LEDs will light up, and you will hear a rising tone series of beeps. Remove diskette and turn power off, then on to restart the computer. For more information about flashing the ROM, refer to the Troubleshooting guide.

Heatsink Removal

