

# Illustrated Parts & Service Map

## HP Omni Pro 110 All-in-One PC



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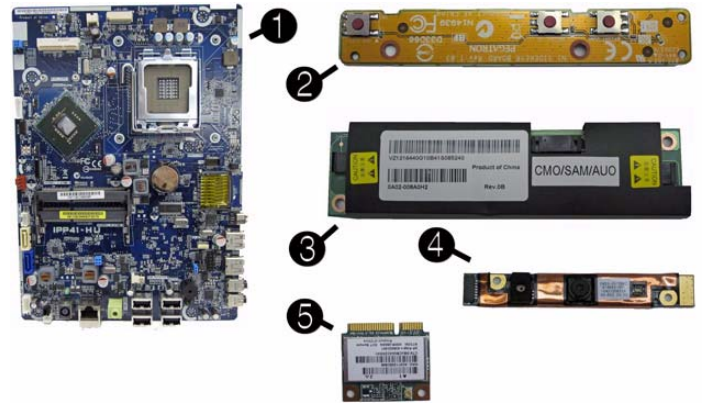


### Key Specifications

<b>Processor Type</b>	Intel® Celeron Dual-Core, Intel Pentium Dual-Core, Intel Core™2 Duo
<b>RAM Type</b>	PC3-10600 DDR3 1333-MHz non-ECC SDRAM
<b>Maximum RAM Supported</b>	4 GB
<b>Display</b>	<ul style="list-style-type: none"> <li>• 20-inch diagonal</li> <li>• Resolution: 1600 x 900</li> <li>• Contrast Ratio: 1000:1</li> <li>• Image brightness: 250 nits</li> <li>• Typical response time: 5ms</li> </ul>
<b>Graphics Adapter</b>	Integrated Intel Graphics Media Accelerator X4500
<b>Chipset</b>	Intel G41 Express chipset
<b>Expansion</b>	<b>Bays:</b> External: (1) 5.25- Slim Tray drive bay Internal: (1) 3.5-inch drive bay <b>Slots:</b> (1) Mini Socket Slot (Occupied)
<b>I/O Interfaces</b>	(6) USB 2.0 ports: (2) left side, (4) rear; (1) RJ-45, (1) left side audio headphone, (1) left side microphone, (1) rear line out
<b>Operating Systems</b>	<ul style="list-style-type: none"> <li>• Windows 7 Professional 32 &amp; 64</li> <li>• Windows 7 Home Basic 64</li> <li>• Windows 7 Starter Edition 32</li> <li>• RedFlag Linux</li> <li>• FreeDOS</li> </ul>

### Spare Parts

Mass Storage Devices (not illustrated)	
8X DVD±RW SuperMulti DL Drive with LightScribe	597927-001
Optical drive bracket (mounts on back of optical drive)	651600-001
1 TB hard drive	621418-001
750 GB hard drive	632938-001
500 GB hard drive	621421-001
320 GB hard drive	621420-001
250 GB hard drive	621419-001



### Standard and Optional Boards

System boards with thermal grease, alcohol pad, and CPU socket cover		
1	System board	648965-001
2	Power button board	651585-001
3	Inverter board	651601-001
4	Webcam module	651586-001
5	WLAN module (802.11b/g/n) (1x1 mini card)	634906-001
Memory modules (PC3-10600)		
*	2 GB	651609-001
*	1 GB	651608-001
Intel Core2 Duo processors with thermal material:		
	E8500, 6-MB cache, 3.16 GHz	466170-001
	E8400, 6-MB cache, 3.00 GHz	509554-001
	E7600, 3-MB cache, 3.06 GHz	573954-001
	E7500, 3-MB cache, 2.93 GHz	586745-001
Intel Pentium processors with thermal material:		
	E6800, 2-MB cache, 3.20 GHz, 1066-MHz FSB	631758-001
	E6700, 2-MB cache, 3.20 GHz, 1066-MHz FSB	617840-001
	E5800, 2-MB cache, 3.30 GHz, 800-MHz FSB	646376-001
	E5700, 2-MB cache, 3.00 GHz, 800-MHz FSB	631759-001
	E5500, 2-MB cache, 2.80 GHz, 800-MHz FSB	613035-001
Intel Celeron processor with thermal material:		
	E3500, 1-MB cache, 2.70 GHz, 800-MHz FSB	633219-001

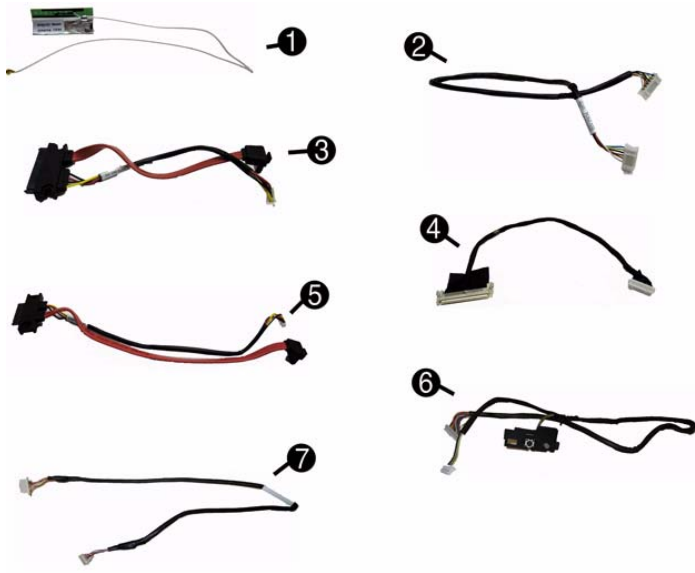
\* Not shown



### Miscellaneous Parts

1	Display panel, 20-inch, non-glare	646794-001
2	Display bezel	651599-001
3	Heat sink (thermal module)	651607-001
4	Speaker, right	651597-001
4	Speaker, left	651598-001
5	Fan	651606-001
*	Thermal pad, DIMM, 20mm x 50mm x 2.5mm (mount under PCA)	651595-001
*	Thermal pad, VRM, 15mm x 40mm x 4mm (mount under PCA)	651596-001
*	AC adapter, 150W, external	651587-001
*	Mouse, USB, optical, Portia	621416-001

\*Not shown

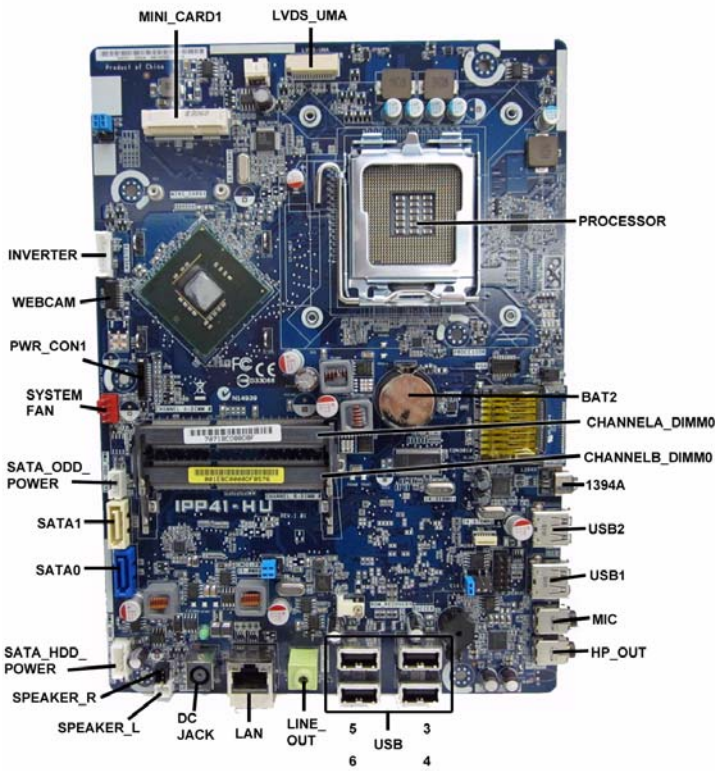


**Cables**

1	WLAN antenna cable	651594-001
2	Inverter cable	651588-001
3	Optical drive cable	651590-001
4	LVDS cable	651589-001
5	Hard drive cable	651592-001
6	Power button/LED cable	651593-001
7	Webcam cable	651591-001

\*Not shown

**System Board**



**System Board Connectors and Jumpers (component location may vary)**

MINI_CARD1	Mini card connector (WLAN)	LAN	Network connector
LVDS_UMA	Display connector	DC JACK	AC adapter connector
PROCESSOR	CPU	SPEAKER_L	Left speaker connector
BAT2	RTC battery socket	SPEAKER_R	Right speaker connector
CHANNELA_DIMM0	Memory socket 1	SATA_HDD_POWER	Hard drive power connector
CHANNELB_DIMM0	Memory socket 2	SATA0	Hard drive connector
1394A	1394 port	SATA1	Optical drive connector
USB2	USB connector	SATA_ODD_POWER	Optical drive power connector
USB1	USB connector	SYSTEM FAN	System fan connector
MIC	Microphone connector	PWR_CON1	Power cable connector
HP_OUT	Headphone jack	WEBCAM	Webcam connector
USB3-6	USB connectors	INVERTER	Inverter board connector
LINE_OUT	Headphone connector		

**Computer Setup.**

**Computer Setup Menu**

Heading	Option / Description	
Main	System Time	Allows you to set system time.
	System Date	Allows you to set system date.
	System IDs	(view only) Lists product name, serial number UUID, SKU number, family name, feature byte, build ID.
	Language	Allows you to select the language.
	Floppy Diskette A	Specifies capacity and physical size, if installed.
	1st Drive 2nd Drive	Allow you to: enable/disable port configuration, view capacity (HDD only), view transfer mode. Also allows you to run HDD self-test for selected channel: SMART status check, SMART short self test, SMART extended self test.
	System Information	Allows you to view installed memory, memory banks 1-2, BIOS revision, core version.
Advanced	CPU Type	View only.
	CPU Speed	View only.
	Cache RAM	View only.
	Supervisor Password	Allows you to view the supervisor password.
	User Password	Allows you to view the user password.
	Onboard LAN	Disable/enable onboard LAN controller.
	Onboard WLAN	Disable/enable onboard WLAN controller.
	Onboard LAN Boot ROM	Disable/enable the boot ROM of the onboard LAN chip.
	Onboard 1394	Allows you to enable/disable all 1394 ports.
	Primary Video Adapter	Allows you to select boot display device when more than 2 video options are offered by system: Integrated (onboard), PCIe.
	SATA Controller	Allows you to disable/enable the SATA controller.
	SATA Controller Mode	If SATA controller is enabled, allows you to set the mode to: IDE, AHCI.
	Onboard Audio	Auto/disable/enable.
	USB Ports	Allows you to individually enable/disable available USB ports.
Change Supervisor Password	Allows you to change the supervisor password.	
Power	After AC Power Failure	Allows you to select system restart behavior after power loss: Stay off, Power on, Auto.
	XD (Execute Disable)	Disable/enable XD bit.
	Virtualization Technology	Disable/enable.
	WOL from S5	Allows you to enable/disable Limited (normal shutdown) WOL from S5 support.
Boot	Boot-time Diagnostic Screen	Disable/enable POST diagnostic messages display.
	ESC: Boot Menu	Enables/disables the ability to press the Esc key to access the boot menu during boot.
	F9: Diagnostics	Enables/disables the ability to press the F9 key to access the Diagnostics menu during boot.
	F10: Setup	Enables/disables the ability to press the F10 key to access the Setup menu during boot.
	F11: Recovery	Enables/disables the ability to press the F11 key to access the recovery menu during boot.
	F12: Boot from LAN	Enables/disables the ability to press the F12 key to boot from LAN.
	Boot Device Priority: 1st Boot Device, 2nd Boot Device, 3rd Boot Device, 4th Boot Device	Allows you to specify which device groups will boot first, second, third, and fourth or to disable any of the four: Floppy group, CD-ROM group, Hard drive group, Network boot group. MS-DOS drive lettering assignments maybe apply after a non-MS-DOS operating system has started.
	Floppy Group Boot Priority	Specifies boot device priority within removable devices.
	CD-ROM Boot Priority	Specifies boot device priority within CD/DVD drives.
	Hard Drive Boot Priority	Specifies boot device priority within hard drives.
	Network Group Boot Priority	Specifies boot device priority within bootable network devices.
	Exit	Exit Saving Changes
Exit Discarding Changes		Press Enter to exit discarding changes.
Load Setup Defaults		Press Enter to load setup defaults.
Discard Changes		Press Enter to discard changes.
Save Changes		Press Enter to save changes.