



HP Pro 3520 Intel® Core™ i3 i3-3240 50.8 cm (20") 1600 x 900 pixels All-in-One PC 4 GB DDR3-SDRAM 1 TB HDD Windows 7 Professional Wi-Fi 4 (802.11n) Black

Brand : HP

Product family: Pro

Product code: D1V76EA#ABH

Product name : 3520



Intel Core i3-3240 (3.4GHz, 3MB), 4GB DDR3 SDRAM, 1TB SATA 7200 rpm, Slim SuperMulti DVD-RW, 802.11 b/g/n, webcam, 6-in-1, 20" TN WLED LCD (1600 x 900), Windows 7 Professional 64 / Windows 8 Pro 64

HP Pro 3520. Product type: All-in-One PC. Display diagonal: 50.8 cm (20"), HD type: HD+, Display resolution: 1600 x 900 pixels. Processor family: Intel® Core™ i3, Processor frequency: 3.4 GHz. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 1 TB, Storage media: HDD. On-board graphics card model: Intel® HD Graphics 2500. Built-in camera. Optical drive type: DVD Super Multi. Operating system installed: Windows 7 Professional. Product color: Black

Display		Ports & interfaces	
Display diagonal *	50.8 cm (20")	USB 2.0 ports quantity *	4
Display resolution *	1600 x 900 pixels	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Touchscreen *	✗	Headphone outputs	1
Full HD	✗	Microphone in	✓
HD type *	HD+	DC-in jack	✓
LED backlight	✓		
Native aspect ratio	16:9		
Processor		Design	
Processor manufacturer *	Intel	Product colour *	Black
Processor family *	Intel® Core™ i3	Country of origin	China
Processor generation	3rd gen Intel® Core™ i3		
Processor model *	i3-3240	Performance	
Processor cores	2	Product type *	All-in-One PC
Processor threads	4	Motherboard chipset	Intel® H61
Processor frequency *	3.4 GHz	Software	
Processor cache	3 MB	Operating system architecture	64-bit
Processor cache type	Smart Cache	Operating system installed *	Windows 7 Professional
System bus rate	5 GT/s	Recovery operating system	Windows 8 Pro
Thermal Design Power (TDP)	55 W	Processor special features	
PCI Express slots version	2.0	Intel® Turbo Boost Technology	✗
Processor socket	LGA 1155 (Socket H2)	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor lithography	22 nm	Intel® My WiFi Technology (Intel® MWT)	✓
Processor operating modes	64-bit	Intel® Identity Protection Technology (Intel® IPT)	✓
Bus type	DMI	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor codename	Ivy Bridge	Intel® Wireless Display (Intel® WiDi)	✓
Processor series	Intel Core i3-3200 Desktop Series	Enhanced Intel SpeedStep Technology	✓
FSB Parity	✗	Intel® Quick Sync Video Technology	✓
PCI Express configurations	1x16, 2x8	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Tcase	65.3 °C		
CPU multiplier (bus/core ratio)	34		
Maximum internal memory supported by processor	32 GB		
Conflict-Free processor	✓		

Processor		Processor special features	
Memory types supported by processor	DDR3-SDRAM	Intel Clear Video Technology	✗
Memory clock speeds supported by processor	1333,1600 MHz	Intel® Insider™	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel® InTru™ 3D Technology	✓
Memory channels supported by processor	Dual	Intel Flex Memory Access	✓
ECC supported by processor	✓	Intel® AES New Instructions (Intel® AES-NI)	✗
Memory		Intel Trusted Execution Technology	✗
Internal memory *	4 GB	Intel Enhanced Halt State	✓
Internal memory type	DDR3-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots	2	Intel Demand Based Switching	✗
Memory slots type	SO-DIMM	Intel® Secure Key	✗
Memory clock speed	1600 MHz	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory layout (slots x size)	1 x 4 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	1 TB	Idle States	✓
Storage media *	HDD	Thermal Monitoring Technologies	✓
Number of storage drives installed	1	Processor package size	37.5 x 37.5 mm
Total HDDs capacity	1 TB	Supported instruction sets	AVX, SSE4.1, SSE4.2
Number of HDDs installed	1	CPU configuration (max)	1
HDD speed	7200 RPM	Embedded options available	✗
HDD interface	SATA	Thermal solution specification	PCG 2011C
Optical drive type *	DVD Super Multi	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Card reader integrated	✓	Intel Identity Protection Technology version	1.00
Graphics		Intel Secure Key Technology version	0.00
Discrete graphics card model *	Not available	Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Intel Dual Display Capable Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel FDI Technology	✓
On-board graphics card model *	Intel® HD Graphics 2500	Intel Rapid Storage Technology	✗
On-board graphics card base frequency	650 MHz	Intel Fast Memory Access	✓
On-board graphics card dynamic frequency (max)	1050 MHz	Processor ARK ID	65690
Number of displays supported (on-board graphics)	3	Weight & dimensions	
On-board graphics card ID	0x152	Width (with stand)	506.4 mm
Audio		Depth (with stand)	101.1 mm
Built-in speaker(s) *	✓	Height (with stand)	399.9 mm
Built-in microphone	✓	Weight (with stand)	6.28 kg
Camera		Sustainability	
Built-in camera *	✓	Sustainability certificates	ENERGY STAR
Total megapixels	1 MP	Packaging content	
Optical drive		Mouse included	✗
Optical drive interface	SATA	Keyboard included	✓
Network		Other features	
Wi-Fi *	✓	Storage drive interface	Serial ATA
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)	Near Field Communication (NFC)	✓
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)		
Ethernet LAN *	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth *	✗		
Ports & interfaces			
Ethernet LAN (RJ-45) ports	1		

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Publication date: 01-APR-2025. Prints or copies of Information are only valid on the printed Publication date