![HP logo]

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 × 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

Display diagonal *	50.8 cm (20")
Display resolution *	1600 x 900 pixels
Touchscreen *	✘
Full HD	✘
HD type *	HD+
LED backlight	✔
Native aspect ratio	16:9

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i3
Processor generation	3rd gen Intel® Core™ i3
Processor model *	i3-3240
Processor cores	2
Processor threads	4
Processor frequency *	3.4 GHz
Processor cache	3 MB
Processor cache type	Smart Cache
System bus rate	5 GT/s
Thermal Design Power (TDP)	55 W
PCI Express slots version	2.0
Processor socket	LGA 1155 (Socket H2)
Processor lithography	22 nm
Processor operating modes	64-bit
Bus type	DMI
Processor codename	Ivy Bridge
Processor series	Intel Core i3-3200 Desktop Series
FSB Parity	✘
PCI Express configurations	1x16, 2x8
Tcase	65.3 °C
CPU multiplier (bus/core ratio)	34
Maximum internal memory supported by processor	32 GB
Conflict-Free processor	✔

Ports & interfaces

USB 2.0 ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Headphone outputs	1
Microphone in	✔
DC-in jack	✔

Design

Product colour *	Black
Country of origin	China

Performance

Product type *	All-in-One PC
Motherboard chipset	Intel® H61

Software

Operating system architecture	64-bit
Operating system installed *	Windows 7 Professional
Recovery operating system	Windows 8 Pro

Processor special features

Intel® Turbo Boost Technology	✘
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® My WiFi Technology (Intel® MWT)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Intel® Wireless Display (Intel® WiDi)	✔
Enhanced Intel SpeedStep Technology	✔
Intel® Quick Sync Video Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔

Processor

Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	1333,1600 MHz
Memory bandwidth supported by processor (max)	25.6 GB/s
Memory channels supported by processor	Dual
ECC supported by processor	✔

Memory

Internal memory *	4 GB
Internal memory type	DDR3-SDRAM
Memory slots	2
Memory slots type	SO-DIMM
Memory clock speed	1600 MHz
Memory layout (slots x size)	1 x 4 GB

Storage

Total storage capacity *	1 TB
Storage media *	HDD
Number of storage drives installed	1
Total HDDs capacity	1 TB
Number of HDDs installed	1
HDD speed	7200 RPM
HDD interface	SATA
Optical drive type *	DVD Super Multi
Card reader integrated	✔

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 2500
On-board graphics card base frequency	650 MHz
On-board graphics card dynamic frequency (max)	1050 MHz
Number of displays supported (on-board graphics)	3
On-board graphics card ID	0x152

Audio

Built-in speaker(s) *	✔
Built-in microphone	✔

Camera

Built-in camera *	✔
Total megapixels	1 MP

Optical drive

Optical drive interface	SATA

Network

Wi-Fi *	✔
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)
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

Processor special features

Intel Clear Video Technology	✘
Intel® Insider™	✔
Intel® InTru™ 3D Technology	✔
Intel Flex Memory Access	✔
Intel® AES New Instructions (Intel® AES-NI)	✘
Intel Trusted Execution Technology	✘
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✘
Intel® Secure Key	✘
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✘
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	37.5 x 37.5 mm
Supported instruction sets	AVX, SSE4.1, SSE4.2
CPU configuration (max)	1
Embedded options available	✘
Thermal solution specification	PCG 2011C
Intel Virtualization Technology for Directed I/O (VT-d)	✘
Intel Identity Protection Technology version	1.00
Intel Secure Key Technology version	0.00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✘
Intel FDI Technology	✔
Intel Rapid Storage Technology	✘
Intel Fast Memory Access	✔
Processor ARK ID	65690

Weight & dimensions

Width (with stand)	506.4 mm
Depth (with stand)	101.1 mm
Height (with stand)	399.9 mm
Weight (with stand)	6.28 kg

Sustainability

Sustainability certificates	ENERGY STAR

Packaging content

Mouse included	✘
Keyboard included	✔

Other features

Storage drive interface	Serial ATA
Near Field Communication (NFC)	✔