



# HP EliteOne 800 G2 NT Intel® Core™ i5 58.4 cm (23") 1920 x 1080 pixels 8 GB DDR4-SDRAM 500 GB HDD All-in-One PC Windows 7 Professional Silver

Brand : HP

Product family: EliteOne

Product code: T6C25AW#ABH

Product name : 800 G2 NT

23" IPS Non-touch 1920 x 1080, Intel Core i5-6500, 8GB DDR4-2133, 500GB 7200rpm SATA, Slim Tray-load DVD-ROM, Intel HD Graphics 530, Gigabit Ethernet, Wi-Fi 802.11ac, Bluetooth, Windows 7 Professional 64

HP EliteOne 800 G2 NT. Product type: All-in-One PC. Display diagonal: 58.4 cm (23"), HD type: Full HD, Display resolution: 1920 x 1080 pixels, Screen shape: Flat, Panel type: IPS. Processor family: Intel® Core™ i5, Processor frequency: 3.2 GHz. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD-ROM. Operating system installed: Windows 7 Professional. Product colour: Silver



Display		Processor special features	
Display diagonal *	58.4 cm (23")	Intel® Smart Response Technology	✗
Display resolution *	1920 x 1080 pixels	Intel Turbo Boost Technology	2.0
Touch screen *	✗	Intel Hyper-Threading Technology	✗
HD type *	Full HD	Intel My WiFi Technology	✗
LED backlight	✓	Intel Identity Protection Technology	✓
Native aspect ratio	16:9	Intel Anti-Theft Technology	✗
Display surface	Matt	Intel® Rapid Start Technology	✗
Panel type	IPS	Intel Smart Connect Technology	✗
Screen shape	Flat	Intel® Small Business Advantage (Intel® SBA)	✓
Display number of colors	16.78 million colours	Intel Wireless Display (WiDi) Technology	✓
Processor		Intel Matrix Storage Technology	✗
Processor manufacturer *	Intel	Intel HD Audio Technology	✗
Processor generation	6th gen Intel® Core™ i5	Intel Active Management Technology	✗
Processor *	i5-6500	Enhanced Intel SpeedStep Technology	✓
Processor family *	Intel® Core™ i5	Intel® RealSense™ Technology	✗
Processor frequency *	3.2 GHz	Intel RealSense Snapshot	✗
Processor boost frequency	3.6 GHz	Intel RealSense 3D Camera	✗
Processor number of cores	4	Intel® Built-in Visuals Technology	✓
Processor threads	4	Thunderbolt™ 3 Technology	✗
Processor cache	6 MB	Intel HD Graphics	✓
Processor cache type	Smart Cache	Intel® Quick Sync Video Technology	✓
System bus data transfer rate	8 GT/s	Intel Clear Video HD Technology	✓
64-bit computing	✓	Intel Clear Video Technology	✓
Thermal Design Power (TDP)	65 W	Intel® Insider™	✓
PCI Express slots version	3.0	Intel® InTru™ 3D Technology	✓
Processor socket	LGA 1151 (Socket H4)	Intel Flex Memory Access	✗
Processor lithography	14 nm	Intel® Smart Cache	✓
Processor operating modes	64-bit	Intel QuickPath Interconnect	✗
Stepping	R0	Intel AES New Instructions	✓
Bus type	DMI3		
Processor codename	Skylake		
Processor series	Intel Core i5-6500 Desktop series		

Processor		Processor special features	
FSB Parity	✗	Intel Trusted Execution Technology	✓
Maximum number of PCI Express lanes	16	Intel Enhanced Halt State	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel VT-x with Extended Page Tables (EPT)	✓
Processor code	SR2BX	Intel Demand Based Switching	✗
Tcase	71 °C	Intel® Secure Key	✓
Maximum internal memory supported by processor	64 GB	Intel TSX-NI	✓
Conflict-Free processor	✓	Intel Stable Image Platform Program (SIPP)	✓
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM	Intel® OS Guard	✓
Memory clock speeds supported by processor	2133,1333,1600,1866 MHz	Intel Software Guard Extensions (Intel SGX)	✓
Memory bandwidth supported by processor (max)	34.1 GB/s	Intel Clear Video Technology for MID	✓
Memory channels supported by processor	Dual	Intel 64	✓
ECC supported by processor	✗	Execute Disable Bit	✓
Memory voltage supported by processor	1.35 V	Idle States	✓
Memory		Thermal Monitoring Technologies	✓
Internal memory *	8 GB	Processor package size	37.5 x 37.5 mm
Internal memory type	DDR4-SDRAM	Supported instruction sets	SSE4.2, AVX 2.0, SSE4.1
Maximum internal memory *	32 GB	Scalability	15
Memory slots	2	CPU configuration (max)	1
Memory slots type	SO-DIMM	Embedded options available	✓
Memory clock speed	2133 MHz	Graphics & IMC lithography	14 nm
Memory layout (slots x size)	1 x 8 GB	Thermal solution specification	PCG 2015C
Memory form factor	DIMM/SO-DIMM	UART	✗
Storage		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total storage capacity *	500 GB	True Key™	✗
Storage media *	HDD	Intel Smart Idle Technology	✗
Number of storage drives installed	1	Intel Instruction Replay Technology	✗
Number of storage drives supported	2	Intel Secure Boot	✗
Number of hard drives installed	1	Intel Identity Protection Technology version	1.00
Hard drive capacity	500 GB	Intel Stable Image Platform Program (SIPP) version	1.00
Hard drive rotational speed	7200 RPM	Intel Secure Key Technology version	1.00
Hard drive interface	SATA	Intel Virtualization Technology (VT-x)	✓
Optical drive type *	DVD-ROM	Intel Small Business Advantage (SBA) version	1.00
Graphics		Intel® Smart Sound Technology	✗
Discrete graphics card model *	Not available	Intel TSX-NI version	1.00
On-board graphics card *	✓	Intel Advanced Vector Extensions	✗
On-board graphics card family	Intel® HD Graphics	Intel Dual Display Capable Technology	✗
On-board graphics card model *	Intel® HD Graphics 530	Intel FDI Technology	✗
On-board graphics card base frequency	350 MHz	Intel I/O Acceleration Technology	✗
On-board graphics card dynamic frequency (max)	1050 MHz	Intel Power Management Technology	✗
Maximum on-board graphics card memory	1.74 GB	Intel QuickAssist Technology	✗
Number of displays supported (on-board graphics)	3	Intel Rapid Storage Technology	✗
On-board graphics card DirectX version	12.0	Intel® Unite™	✗
On-board graphics card OpenGL version	4.4	Intel Unite installed	✗
On-board graphics card ID	1912	Intel Fast Memory Access	✗
Audio		Processor ARK ID	88184
Built-in speakers *	✓	Energy Management	
RMS rated power	4.4 W	AC adapter power	160 W
Speakers manufacturer	Bang & Olufsen	AC adapter frequency	50/60 Hz
Built-in microphone	✓	AC adapter input voltage	100 - 240 V
		Weight & Dimensions	
		Width (with stand)	567.1 mm
		Depth (with stand)	58.9 mm

Audio		Weight & Dimensions	
Audio system	B&O PLAY	Height (with stand)	392.7 mm
Optical Drive		Weight (with stand)	7.34 kg
Optical drive interface	SATA	Operational Conditions	
Disc types supported	CD, DVD	Operating temperature range (T-T)	5 - 35 °C
LightScribe	✗	Storage temperature range (T-T)	-15 - 60 °C
Network		Operating relative humidity range	10 - 80%
Wi-Fi *	✓	Storage relative humidity range	10 - 90%
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Operating altitude	0 - 3050 m
Ethernet LAN connection *	✓	Sustainability	
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainability certificates	RoHS, EPEAT Silver, ENERGY STAR
Bluetooth *	✓	Packaging Content	
Bluetooth version	4.0	Mouse included	✗
Ports & interfaces		Keyboard included	✓
Ethernet LAN (RJ-45) ports quantity	1	Warranty card	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6	AC adapter bundled	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Other features	
DisplayPorts quantity	1	3D compatibility	✗
Headphone outputs	1	Power auto-sensing	✓
Microphone in	✓	Near Field Communication (NFC)	✗
Combo headphone/mic port	✗	Autonomy mode	✗
DC-in jack	✓	Detachable display	✗
USB Sleep-and-Charge	✓	Intel segment tagging	Enterprise
USB Sleep-and-Charge ports	1		
Design			
Product colour *	Silver		
Country of origin	China		
Performance			
Product type *	All-in-One PC		
Motherboard chipset	Intel® Q170		
Trusted Platform Module (TPM)	✓		
BIOS password	✓		
Hard disk drive, user password	✓		
Placement supported	Vertical		
Software			
Operating system architecture	64-bit		
Operating system installed *	Windows 7 Professional		

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Publication date: 18-DEC-2022. Prints or copies of Information are only valid on the printed Publication date