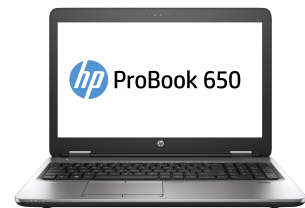




HP ProBook 650 G2 i5-6300U Notebook 39.6 cm (15.6") HD Intel® Core™ i5 8 GB DDR4-SDRAM 256 GB SSD Windows 7 Professional Black, Silver



Brand : HP

Product family: ProBook

Product code: 1A298AW

Product name : 650 G2

- Windows 7 Professional 64
- 6th gen Intel® Core™ i5 i5-6300U (3M Cache, 2.4 GHz)
- 39.6 cm (15.6") HD (1366 x 768)
- 8GB (2133 MHz) DDR4-SDRAM (1 x 8 GB) & 256GB SSD
- Lithium-Ion (Li-Ion) battery
- 2.31 kg & 27.4 mm thin, USB C Thunderbolt port

HP ProBook 650 G2 Notebook PC (ENERGY STAR)

HP ProBook 650 G2. Product type: Notebook, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor: i5-6300U, Processor frequency: 2.4 GHz. Display diagonal: 39.6 cm (15.6"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD, Optical drive type: DVD Super Multi. Operating system installed: Windows 7 Professional. Product colour: Black, Silver



Design		Ports & interfaces	
Product type *	Notebook	Charging port type	DC-in jack
Product colour *	Black, Silver	Keyboard	
Form factor *	Clamshell	Pointing device	Touchpad
Country of origin	China	Numeric keypad *	✓
Display		Spill-resistant keyboard	✓
Display diagonal *	39.6 cm (15.6")	Software	
Display resolution *	1366 x 768 pixels	Operating system architecture	64-bit
Touch screen *	✗	Operating system installed *	Windows 7 Professional
HD type	HD	Processor special features	
LED backlight	✓	Intel Wireless Display (WiDi) Technology	✓
Native aspect ratio	16:9	Intel My WiFi Technology	✓
Display surface	Matt	Intel® Smart Response Technology	✓
Processor		Intel Identity Protection Technology	✓
Processor manufacturer *	Intel	Intel Hyper-Threading Technology	✓
Processor generation	6th gen Intel® Core™ i5	Intel Turbo Boost Technology	2.0
Processor *	i5-6300U	Intel® Small Business Advantage (Intel® SBA)	✓
Processor family *	Intel® Core™ i5	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	2.4 GHz	Intel Clear Video HD Technology	✓
Processor boost frequency	3 GHz	Intel Clear Video Technology	✓
Processor number of cores	2	Intel® InTru™ 3D Technology	✓
Processor threads	4	Intel® Insider™	✓
System bus data transfer rate	4 GT/s	Intel® Quick Sync Video Technology	✓
Processor cache	3 MB	Intel Flex Memory Access	✓
Processor cache type	Smart Cache	Intel® Smart Cache	✓
Processor socket	LGA 1356 (Socket B2)	Intel AES New Instructions	✓
Processor lithography	14 nm	Intel Trusted Execution Technology	✓
Processor operating modes	64-bit	Intel Enhanced Halt State	✓
Processor series	Intel® Core™ i5-6300 Mobile Series	Intel VT-x with Extended Page Tables (EPT)	✓
Processor codename	Skylake		
Bus type	QPI		
Stepping	D1		

Processor		Processor special features	
Thermal Design Power (TDP)	15 W	Intel® Secure Key	✓
Configurable TDP-up frequency	2.5 GHz	Intel TSX-NI	✓
Configurable TDP-up	25 W	Intel Stable Image Platform Program (SIPP)	✓
Configurable TDP-down	7.5 W	Intel® OS Guard	✓
Configurable TDP-down frequency	0.8 GHz	Intel Software Guard Extensions (Intel SGX)	✓
Tjunction	100 °C	Intel Clear Video Technology for MID	✓
Maximum number of PCI Express lanes	12	Intel 64	✓
PCI Express slots version	3.0	Execute Disable Bit	✓
PCI Express configurations	1x4, 4x1	Idle States	✓
ECC supported by processor	✗	Thermal Monitoring Technologies	✓
Memory		Processor package size	42 X 24 mm
Internal memory *	8 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Internal memory type	DDR4-SDRAM	Processor code	SR2F0
Memory clock speed	2133 MHz	CPU configuration (max)	1
Memory form factor	SO-DIMM	Embedded options available	✓
Memory layout (slots x size)	1 x 8 GB	Graphics & IMC lithography	14 nm
Memory slots	2x SO-DIMM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum internal memory *	16 GB	Intel Identity Protection Technology version	1.00
Storage		Intel Smart Response Technology version	1.00
Total storage capacity *	256 GB	Intel Stable Image Platform Program (SIPP) version	1.00
Storage media *	SSD	Intel Secure Key Technology version	1.00
Total SSDs capacity	256 GB	Intel Small Business Advantage (SBA) version	1.00
Number of SSDs installed	1	Intel TSX-NI version	1.00
Solid-state drive capacity	256 GB	Intel Virtualization Technology (VT-x)	✓
Solid-state drive interfaces	SATA	Processor ARK ID	88190
Optical drive type *	DVD Super Multi	Conflict-Free processor	✓
Card reader integrated	✓	Special features	
Compatible memory cards	SD, SDHC, SDXC	HP ePrint	✓
Graphics		HP Support Assistant	✓
Discrete graphics card model *	Not available	HP Touchpoint Manager	✓
On-board graphics card *	✓	HP Security tools	HP Client Security, HP BIOSphere
Discrete graphics card *	✗	HP Software provided	HP Client Management Solutions, HP Mobile Connect Pro, HP Noise Reduction Software
On-board graphics card family	Intel® HD Graphics	HP segment	Business
On-board graphics card model *	Intel® HD Graphics 520	Battery	
On-board graphics card base frequency	300 MHz	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card dynamic frequency (max)	1000 MHz	Number of battery cells	3
Maximum on-board graphics card memory	1.74 GB	Battery capacity *	48 Wh
On-board graphics card DirectX version	12.0	Energy Management	
On-board graphics card OpenGL version	4.4	AC adapter power	45 W
On-board graphics card ID	1916	Security	
Audio		Cable lock slot	✓
Number of built-in speakers	2	Trusted Platform Module (TPM)	✓
Built-in microphone	✓	Password protection	✓
Camera		Password protection type	Power on
Front camera	✓	Sustainability	
Network		Sustainability certificates	ENERGY STAR
Wi-Fi	✓	Weight & Dimensions	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n), 802.11a, Wi-Fi 5 (802.11ac)	Width	378 mm
Ethernet LAN connection	✓	Depth	257 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Height	27.4 mm
Bluetooth	✓		
Bluetooth version	4.2		

Ports & interfaces		Weight & Dimensions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Weight *	2.31 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Other features	
Ethernet LAN (RJ-45) ports quantity	1	AC adapter bundled	✓
DisplayPorts quantity	1	3D compatibility	✗
DVI port	✗	Intel segment tagging	Enterprise
VGA (D-Sub) ports quantity	1		
Microphone in	✗		
Combo headphone/mic port	✓		
Docking connector	✓		



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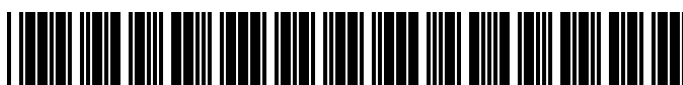
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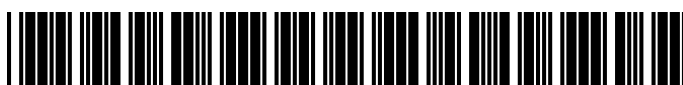
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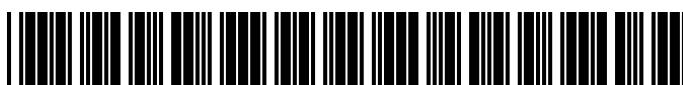
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