

BNB Quick Reference Guide

HP Business Notebooks

February 2018



HP EliteBook series

HP Detachables

HP Chromebooks



	HP EliteBook 830 G5	HP EliteBook 840 G5	HP EliteBook 850 G5	HP EliteBook Folio G1	HP EliteBook x360 1020 G2	HP EliteBook x360 1030 G2	HP EliteBook 1040 G4	HP x2 210 G2	HP Pro x2 612 G2	HP Elite x2 1012 G2	HP Chromebook 11 G6 EE	HP Chromebook 14 G5	
Form factor	Notebook PC	Notebook PC	Notebook PC	Notebook PC	Notebook PC	Notebook PC	Notebook PC	Detachable	Detachable	Detachable	Chromebook	Chromebook	
Dimension (H x D x L) cm	1.77 x 31 x 22.93 (Non-Touch), 1.78 x 31 x 22.93 (Touch)	1.79 x 32.6 x 23.4 (Non-Touch), 1.81 x 31 x 22.93 (Touch)	1.83 x 37 x 25.2 (Non-Touch), 1.86 x 37 x 25.2 (Touch)	1.19 x 20.9 x 29.2 (Non-Touch), 1.24 x 20.9 x 29.2 (Touch)	1.39 x 20.38 x 29	1.49 x 21.85 x 31.69	1.59 x 23.28 x 32.89	Tablet only: 0.92 x 17.3 x 26.5 With keyboard: 1.83 x 18.3 x 26.5	Tablet only: 0.91 x 21.93 x 30.0 With keyboard: 1.46 x 21.93 x 30.0	Tablet only: 0.8 x 21.4 x 30 With travel keyboard: 1.35 x 22 x 30	18.05 x 30.6 x 20.8	1.83 x 33.7 x 22.6	
System weight	1.33 kg (Non-touch), 1.51 kg (Touch)	1.48 kg (Non-touch), 1.61 kg (Touch)	1.78 kg (Non-touch), 1.93 kg (Touch)	< 1 kg (Non-touch)	1.13 kg	1.28 kg	1.35 kg	Tablet: 0.58 kg With Keyboard: 1.2 kg	Tablet only: 0.85 kg, With keyboard: 1.2 kg	Tablet: 0.8 kg, With Travel Keyboard: 1.15 kg, With Advanced Keyboard: 1.33 kg	1.24 kg	1.54 kg	
Chipset	Integrated SoC	Integrated SoC	Integrated SoC	Integrated SoC	Integrated SoC	Integrated SoC	Integrated SoC	Integrated SoC	Integrated SoC	Integrated SoC	Integrated SoC	Integrated SoC	
Processor	Intel® 7th and 8th Gen	Intel® 7th and 8th Gen	Intel® 7th and 8th Gen	Intel® 6th Gen Core M	Intel® 7th Gen	Intel® 7th Gen	Intel® 7th Gen	Intel® Atom x5	Intel® 7th Gen Y Processors	Intel® 7th Gen U Processors	Intel® Celeron	Intel® Celeron	
vPro support	Selected processors only	Selected processors only	Selected processors only	Selected processors only	Selected processors only	Selected processors only	Selected processors only	-	Selected processors only	Selected processors only	-	-	
Graphics	Intel® HD Graphics 620	Intel® HD Graphics 620	Intel® HD Graphics 620	Intel® HD Graphics 515	Intel® HD Graphics 620	Intel® HD Graphics 620	Intel® HD Graphics 630	Intel® HD Graphics	Intel® HD Graphics 615	Intel® HD Graphics 620	Intel® HD Graphics 500	Intel® HD Graphics 500	
Max memory	Up to 32 GB	Up to 32 GB	Up to 32 GB	Up to 8 GB	Up to 16 GB	Up to 16 GB	Up to 16 GB	Up to 4 GB	Up to 8 GB	Up to 16 GB	Up to 8 GB	Up to 8 GB	
Display size	13.3"	14.0"	15.6"	12.5"	12.5"	12.5"	13.3"	10.1"	12"	12.3"	11.6"	14.0"	
Resolution	1920 x 1080	1920 x 1080, 3840 x 2160	1920 x 1080, 3840 x 2160	1920 x 1080, 3840 x 2160	1920 x 1080, 3840 x 2160	1920 x 1080, 3840 x 2160	1920 x 1080, 3840 x 2160	1280 x 800	1920 x 1080	2736 x 1824	1366 x 768	1366 x 768, 1920 x 1080	
Touch display option	√	√	√	√	√	√	√	√	√	√	√	√	
Storage													
Capacity / speed	-	-	-	-	-	-	-	-	-	-	-	-	
SSD	Up to 1 TB PCIe	Up to 1 TB PCIe	Up to 1 TB PCIe	Up to 512 GB	Up to 512 GB	Up to 512 GB	Up to 1 TB	Up to 128 GB	Up to 512 GB	Up to 1TB	Up to 64 GB eMMC	Up to 64 GB eMMC	
m SATA	-	-	-	-	-	-	-	-	-	-	-	-	
Dual storage	-	-	-	-	√	√	√	-	-	-	-	-	
ODD	-	-	-	-	External option only	External option only	External option only	-	-	-	-	-	
Connectivity													
iPass Wi-Fi access	-	-	-	√	-	√	-	√	√	√	-	-	
LAN	10/100/1000 NIC	10/100/1000 NIC	10/100/1000 NIC	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	-	-	-	-	-	
WLAN*	8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (vPro™) 8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (non-vPro™) 802.11ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (non-vPro™)	8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (vPro™) 8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (non-vPro™) 802.11ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (non-vPro™)	8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (vPro™) 8265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (non-vPro™) 802.11ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (non-vPro™)	802.11a/b/g/n/ac (2x2) + Bluetooth® 4.2 combo	802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (vPro™)	802.11a/b/g/n/ac (2x2) + Bluetooth® 4.2 Combo	802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.0 Combo (vPro™)	802.11a/b/g/n/ac (2x2) + Bluetooth® 4.0 Combo	802.11 a/b/g/n/ac (2x2) + Bluetooth® 4.0 combo	802.11 a/b/g/n/ac (2x2) + Bluetooth® 4.2 combo	802.11a/b/g/n/ac (2x2) + Bluetooth® 4.2 combo	802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (non-vPro™) Integrated with dual antennas	802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (non-vPro™) Integrated Wireless options with dual antennas
WPAN	Bluetooth® 4.2	Bluetooth® 4.2	Bluetooth® 4.2	Bluetooth® 4.2	Bluetooth® 4.2	Bluetooth® 4.2	Bluetooth® 4.0	Bluetooth® 4.2	Bluetooth® 4.2	Bluetooth® 4.2	Bluetooth® 4.2	Bluetooth® 4.2	
WWAN*	HP It4132 LTE/HSPA+ 4G Mobile Broadband Intel® XMM™ 7360 LTE-Advanced	HP It4132 LTE/HSPA+ 4G Mobile Broadband Intel® XMM™ 7360 LTE-Advanced	HP It4132 LTE/HSPA+ 4G Mobile Broadband Intel® XMM™ 7360 LTE-Advanced	-	-	HP It4132 LTE/HSPA+ 4G Mobile Broadband HP hs3210 HSPA Mobile Broadband	HP It4120 LTE/EV-DO/HSPA+ with GPS M.2 Mobile Broadband, HP It4132 LTE/HSPA+ with GPS M.2 Mobile Broadband, HP It4132 LTE/HSPA+ Mobile Broadband	-	HP hs3210 HSPA+ Mobile Broadband Module, HP It4132 LTE/HSPA+ 4G Mobile Broadband Module; HP It4120 Qualcomm® Snapdragon™ X5 LTE Mobile Broadband Module	HP hs3210 WW HSPA+ Mobile Broadband, HP It4132 LTE/HSPA+ 4G Mobile Broadband, HP It4226 LTE/HSPA+ Qualcomm® Gobi™ 4G Module, HP It4225 LTE/EV-DO Qualcomm® Gobi™ 4G Module	-	-	
Input													
Spill-resistant keyboard	√	√	√	-	-	√	-	-	√	√	√	√	
Numeric keypad	-	-	√	-	-	-	-	-	-	-	-	-	
Ports													
VGA	-	-	-	-	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	-	-	
HDMI	(1) HDMI 1.4b	(1) HDMI 1.4b	(1) HDMI 1.4b	-	(1) HDMI 1.4b	(1) HDMI	(1) HDMI 1.4	(1) Micro HDMI	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	
DisplayPort	-	-	-	-	-	-	-	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	-	-	
Serial	-	-	-	-	-	-	-	-	-	-	-	-	
USB 2.0	-	-	-	-	-	-	-	-	-	-	-	-	
USB 3.0	(2) USB 3.1 incl. 1 charging port, (1) USB Type-C	(2) USB 3.1 incl. 1 charging port, (1) USB Type-C	(2) USB 3.1 incl. 1 charging port, (1) USB Type-C	(2) USB Type-C	(2) USB 3.1 Type-C™ with Thunderbolt™ support	(2) USB 3.1 charging parts, (1) USB Type-C charging Port	(2) USB 3.1 Gen 1 (1 charging) (2) USB 3.1 Type-C™	(1) USB 3.0 (1) USB Type-C	(1) USB 3.0 (1) USB Type-C with alt mode	(1) USB 3.1 Type C with Thunderbolt (1) USB 3.0	(2) USB 3.1 Type-C™ (2) USB 3.1 Gen 1 (Sleep and Charge support)	(2) USB 3.1 Type-C™ (2) USB 3.1 Gen 1 (Sleep and Charge support)	
RJ-45	(1) RJ-45	(1) RJ-45	(1) RJ-45	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	Available via optional external adapter	
Headphone / Mic combo	(1) Headphone / Mic	(1) Headphone / Mic	(1) Headphone / Mic	(1) Headphone / Mic	(1) Headphone / Mic	(1) Headphone / Mic	(1) Headphone / Mic	(1) Headphone / Mic	(1) Headphone / Mic	(1) Headphone / Mic	(1) Headphone / Mic	(1) Headphone / Mic	
Types of docking	(1) Docking connector	(1) Docking connector	(1) Docking connector	-	-	-	(1) Docking connector	-	Wired dock via USB Type-C	Wired dock via USB Type-C with Thunderbolt	HP USB-C Universal Dock (Optional) HP USB-C Mini Dock (Optional) HP Elite USB-C Dock G3 (Optional)	HP USB-C Universal Dock (Optional) HP USB-C Mini Dock (Optional) HP USB-C Dock G4 (Optional)	
Secondary battery support	-	-	-	-	-	-	-	-	-	-	-	-	
Multimedia													
Integrated microphone	(1) Integrated microphone	(1) Integrated microphone	(1) Integrated microphone	(1) Integrated microphone	(1) Integrated microphone	(1) Integrated microphone	(1) Integrated microphone	(1) Integrated microphone	(1) Integrated microphone	(1) Integrated microphone	(1) Integrated microphone	(1) Integrated microphone	
Webcam	Optional HD IR webcam	Optional HD IR webcam	Optional HD IR webcam	720p HD webcam	720p HD webcam	720p HD webcam	720p HD webcam	720p HD front-facing webcam	5 MP Front 8 MP Rear	5 MP Front 8 MP Rear	HD webcam	HD webcam	
Audio	Audio by Bang & Olufsen 2 Integrated Stereo Speakers (74Db)	Audio by Bang & Olufsen 2 Integrated Stereo Speakers (74Db)	Audio by Bang & Olufsen 2 Integrated Stereo Speakers (74Db)	Audio by Bang & Olufsen	Audio by Bang & Olufsen Integrated premium speakers	Audio by Bang & Olufsen	Audio by Bang & Olufsen Integrated premium speakers	DTS Audio	Integrated stereo speakers	Audio by Bang & Olufsen	HD Audio Dual speakers	HD Audio Dual speakers	
Camera	Optional HD camera	Optional HD camera	Optional HD camera	-	IR camera for face authentication with Windows Hello	-	IR camera for face authentication with Windows Hello	5 MP rear-facing	8MP with flash LED	8MP with flash LED Optional IR front camera for face recognition	720p HD camera	720p HD camera	
Power													
Primary battery	3-cell (50 Whr) Long Life Li-ion	3-cell (50 Whr) Long Life Li-ion	3-cell (50 Whr) Long Life Li-ion	4-cell (38 Whr) Long Life Polymer	4-cell (49.28 Whr) Long Life Li-ion	3-cell (57 Whr) Long Life Li-ion	6-cell (67 Whr) Long Life Polymer	2-cell (32.5 Whr) Li-ion polymer	4-cell (41 Whr) Long Life Li-ion	4-cell (47 Whr) Long Life Li-ion	2-cell (47.36 Whr) Long Life Li-ion	2-cell (47.36 Whr) Long Life Li-ion	
AC adapter	45W Smart External AC power adapter 45W Smart External AC power adapter, 2-prong (Japan only) 65W Smart External AC power adapter 65W Smart EM External AC power adapter 45W USB Type-C™ adapter 65W USB Type-C™ adapter	45W Smart External AC power adapter 45W Smart External AC power adapter, 2-prong (Japan only) 65W Smart External AC power adapter 65W Smart EM External AC power adapter 45W USB Type-C™ adapter 65W USB Type-C™ adapter	45W Smart External AC power adapter 45W Smart External AC power adapter, 2-prong (Japan only) 65W Smart External AC power adapter 65W Smart EM External AC power adapter 45W USB Type-C™ adapter 65W USB Type-C™ adapter	45W Smart USB Type-C™ AC adapter	65 W USB Type-C™ AC adapter	65W Smart AC adapter, 65W EM Smart AC adapter, 65W Smart USB Type-C™ AC adapter	65 W USB Type-C™ AC adapter, 90 W USB Type-C™ AC adapter	45W AC charging adapter with USB Type-C connector	HP 45 W USB Type-C™ AC adapter; HP 65 W USB Type-C™ AC adapter	45 W USB Type-C™ AC adapter, 65 W USB Type-C™ AC adapter	45 W USB Type-C™ AC adapter	45 W USB Type-C™ AC adapter	
Security													
TPM	√	√	√	√	√	√	√	√	√	√	-	-	
HP Fingerprint Sensor	Optional	Optional	Optional	-	√	√	√	-	Optional	Optional	-	-	
Security lock slot	√	√	√	-	-	-	-	-	√	√	√ (Sold separately)	√ (Sold separately)	
Warranty	Up to 3 years	Up to 3 years	Up to 3 years	1 year	1 year	1 year	Up to 3 years	1 year	Up to 3 years	Up to 3 years	1 year	1 year	
Others													
Operating system	Windows 10 Pro, Windows 10 Home, FreeDOS 2.0	Windows 10 Pro, Windows 10 Home, FreeDOS 2.0	Windows 10 Pro, Windows 10 Home, FreeDOS 2.0	Windows 10 Pro, Windows 10 Home	Windows 10 Pro, Windows 10 Home	Windows 10 Pro, Windows 10 Home	Windows 10 Pro, Windows 10 Home, FreeDOS 2.0, NeoKylin Linux® 64	Windows 10 Pro, Windows 10 Home	Windows 10 Pro, Windows 10 Home	Windows 10 Pro, Windows 10 Home	Chrome OS™	Chrome OS™	
Services	Customer Bios, Custom Image, Asset Tagging, Custom Label, DIB, Hardware Lock	Customer Bios, Custom Image, Asset Tagging, Custom Label, DIB, Hardware Lock	Customer Bios, Custom Image, Asset Tagging, Custom Label, DIB, Hardware Lock	Customer Bios, Custom Image, Asset Tagging, Custom Label, DIB, Hardware Lock	Customer Bios, Custom Image, Asset Tagging, Custom Label, DIB, Hardware Lock	Customer Bios, Custom Image, Asset Tagging, Custom Label, DIB, Hardware Lock	Customer Bios, Custom Image, Asset Tagging, Custom Label, DIB, Hardware Lock	Customer Image, Asset Tagging, Custom Label, DIB	Customer Bios, Custom Image, Asset Tagging, Custom Label, DIB, Hardware Lock	Customer Bios, Custom Image, Asset Tagging, Custom Label, DIB, Hardware Lock	Asset Tagging, Custom Label	Asset Tagging, Custom Label	

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