QuickSpecs

Overview

HP AC Adapters for HP Business Notebooks

Models

Standard Smart AC Adapters

HP 45W Smart AC Adapter (4.5mm)	H6Y88AA
HP 65W Smart AC Adapter (4.5mm)	H6Y89AA
HP 90W Smart AC Adapter (4.5mm)	H6Y90AA
HP 150W Smart AC Adapter (4.5mm)	W2F74AA
HP 200W Smart AC Adapter (4.5mm)	W2F75AA

Slim AC Adapters

HP 65W Slim AC Adapter	H6Y82AA
HP 90W Slim AC Adapter	H6Y83AA
HP 150W Smart AC Adapter	AL192AA
HP 230W Slim AC Adapter	H1D36AA

Specialized Travel Adapters

HP 65W Smart Travel AC Adapter	J0E43AA
HP 90W Slim Combo Adapter with USB	H6Y84AA

Adapter

HP 15W mUSB Power Adapter	K9Q38AA
HP 45W USB-C™ AC Adapter ***New!***	V5Y26AA

Introduction

HP includes a high quality AC adapter with each HP Business Notebook, HP Ultrabook, and HP Docking Station.
Designed and tested to ensure optimum power support, the adapter also charges the notebook's internal battery simultaneously when connected.

As a notebook user, you may also need your adapter to be as flexible as your notebook. HP offers a variety of adapters for the many circumstance in which you may use your notebook. Whether you want something compact to carry, have a unique travel situation, or would just like another AC adapter for the office or home, HP offers an adapter for almost every computing situation.

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Overview

Compatibility

Adapter	Compatible HP Business Notebooks
Standard Smart AC Adapters	
HP 45W Smart AC Adapter (4.5mm) (H6Y88AA)	HP Spectre 13 Pro, HP Spectre x2 Pro, HP EliteBook Folio 1040, Folio 9470m HP EliteBook 1040 G1, G2, 1020 G1, 800 G1, G2, G3 Series 700 G1, G2, G3, Series , 600 G1, G2 Series, HP Revolve 810 G1, G2, G3 Series HP Elite Tablet x2 1011 G1, HP Pro Tablet 610 G1, HP 430, 440 450 G2 Series HP 215, 240 G2, 245 G2, 250 G2, 255 G2 Notebook PCs HP ProBook 11 G1 Education G1, G2, HP Pro x2 612 G1 HP Stream 11 G1, G2 HP ProBook x2 410 G1 HP ChromeBook 11 EE, G3, G4
HP 65W Smart AC Adapter (4.5mm) (H6Y89AA)	HP ChromeBook 14, HP Spectre 13 Pro, HP Spectre x2 Pro, HP EliteBook Folio 1040 Notebook PCs, HP 215, 240 G2, 242 G1, 245 G2, 250 G2, 255 G2 Notebook PCs HP ProBook Notebook PCs, HP EliteBook 8XX, Folio 9470m, Revolve 810, 2XXXp, 84XXp, and 85XXp Notebook PCs, HP ZBook 14, EliteBook 84XXw Mobile Workstations, HP Mini 51XX, HP 31XXm, HP 240, 246, 248, 340, 250, 255, 430, 431, 435, 436, 450, 455, 630, 631, 635, 636, 650, and 655 Notebook PCs, HP mt20, mt40, mt41, and HP ProBook 6360t Thin Clients
HP 90W Smart AC Adapter (4.5mm) (H6Y90AA)	HP ChromeBook 14, HP Spectre 13 Pro, HP Spectre x2 Pro, HP EliteBook Folio 1040 Notebook PCs, HP 215, 240 G2, 242 G1, 245 G2, 250 G2, 255 G2 Notebook PCs HP ProBook Notebook PCs, HP EliteBook 8XX, 2XXXp, and 8XXXp, Folio 9470m, Revolve 810 Notebook PCs, HP ZBook 14, and EliteBook 84XXw, and 8540w Mobile Workstations, HP 31XXm, HP 240, 246, 248, 340, 250, 255, 430, 431, 435, 436, 450, 455, 630, 631, 635, 636, 650, and 655 Notebook PCs, HP mt20, mt40, mt41, HP ProBook 6360t Thin Clients
HP 150W 4.5mm Smart AC Adapter (W2F74AA)	HP ZBook Studio G3, HP ZBook 15 G3 and HP ZBook 15u G3 mobile workstations
HP 200W 4.5mm Smart AC Adapter (W2F75AA)	HP ZBook 17 G3
Slim AC Adapters	
HP 65W Slim AC Adapter (H6Y82AA)	HP ChromeBook 14, HP Spectre 13 Pro, HP Spectre x2 Pro, HP EliteBook Folio 1040 Notebook PCs, HP 215, 240 G2, 242 G1, 245 G2, 250 G2, 255 G2 Notebook PCs HP ProBook Notebook PCs, HP EliteBook 8XX, Folio 9470m, Revolve 810, 2XXXp, 84XXp, and 85XXp Notebook PCs, HP ZBook

Overview

	14, EliteBook 84XXw Mobile Workstations, HP Pavilion 14 Chromebook, HP Folio13 Notebook PC, HP SpectreXT Pro Ultrabook™, HP ENVY Pro Ultrabook™, HP Mini 51XX, HP 31XXm, HP 240, 246, 248, 340, 250, 255, 430, 431, 435, 436, 450, 455, 630, 631, 635, 636, 650, and 655 Notebook PCs, HP mt20, mt40, mt41, and HP ProBook 6360t Thin Clients
HP 90W Slim AC Adapter (H6Y83AA)	HP ChromeBook 14, HP Spectre 13 Pro, HP Spectre x2 Pro, HP EliteBook Folio 1040 Notebook PCs, HP 215, 240 G2, 242 G1, 245 G2, 250 G2, 255 G2 Notebook PCs HP ProBook Notebook PCs, HP EliteBook 8XX, 2XXXp, and 8XXXp, Folio 9470m, Revolve 810 Notebook PCs, HP ZBook 14, and EliteBook 84XXw, and 8540w Mobile 2Workstations, HP Pavilion 14 Chromebook, HP Folio13 Notebook PC, HP SpectreXT Pro Ultrabook™, HP ENVY Pro Ultrabook™, HP 31XXm, HP 240, 246, 248, 340, 250, 255, 430, 431, 435, 436, 450, 455, 630, 631, 635, 636, 650, and 655 Notebook PCs, HP mt20, mt40, mt41, HP ProBook 6360t Thin Clients
HP 150W Smart AC Adapter (AL192AA)	HP ProBook 6440b, 6445b, 6540b, and 6545b Notebook PCs, HP Zbook 15, EliteBook 8570w, 8560w, and 8540w Mobile Workstations
HP 230W Slim AC Adapter (H1D36AA)	HP Zbook 15, 17, EliteBook 8570w, 8770w, 8560w, 8760w, 8540w, and 8740w Mobile Workstations

Specialized Travel Adapters

HP 65W Smart Travel AC Adapter (J0E43AA)	HP ChromeBook 14, HP Spectre 13 Pro, HP Spectre x2 Pro, HP EliteBook Folio 1040 Notebook PCs, HP 215, 240 G2, 242 G1, 245 G2, 250 G2, 255 G2 Notebook PCs HP ProBook Notebook PCs, HP EliteBook 8XX, Folio 9470m, Revolve 810, 2XXXp, 84XXp, and 85XXp Notebook PCs, HP ZBook 14, EliteBook 84XXw Mobile Workstations, HP Pavilion 14 Chromebook, HP Folio13 Notebook PC, HP SpectreXT Pro Ultrabook™, HP ENVY Pro Ultrabook™, HP Mini 51XX, HP 31XXm, HP 240, 246, 248, 340, 250, 255, 430, 431, 435, 436, 450, 455, 630, 631, 635, 636, 650, and 655 Notebook PCs, HP mt20, mt40, mt41, and HP ProBook 6360t Thin Clients
90W Slim Combo Adapter with USB (H6Y84AA)	HP ChromeBook 14, HP Spectre 13 Pro, HP Spectre x2 Pro, HP EliteBook Folio 1040 Notebook PCs, HP 215, 240 G2, 242 G1, 245 G2, 250 G2, 255 G2 Notebook PCs HP ProBook Notebook PCs, HP EliteBook 8XX, 2XXXp, and 8XXXp, Folio 9470m, Revolve 810 Notebook PCs, HP EliteBook Mobile Workstations, HP Pavilion 14 Chromebook, HP Folio13 Notebook PC, HP SpectreXT Pro Ultrabook™, HP ENVY Pro Ultrabook™, HP 31XXm, HP 240, 246, 248, 340, 250, 255, 430, 431, 435, 436, 450, 455, 630, 631, 635, 636, 650, and 655 Notebook PCs, HP mt20, mt40, mt41, HP ProBook 6360t Thin Clients

Overview

HP 15W mUSB Power Adapter (K9Q38AA)   HP Chromebook 11
HP 45W USB-C Power Adapter (V5Y26AA)   HP x2 1012 G1 Tablet, HP EliteBook 1030 G1

Service and Support

The warranty period for HP Adapters is one year, part replacement. Additional support is available (North America only) seven days a week, 24 hours a day by phone as well as through online support forums.

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Technical Specifications

HP Smart AC Adapters

The HP Smart AC Adapter is the adapter included with all HP Business Notebooks and HP Docking Stations. The Smart AC Adapter is intelligent by design because it detects and regulates the electrical current that is needed for your notebook or docking station. This unique feature helps protect your product from erratic electrical currents or a power surge. Also, although you may need a higher capacity adapter for a docking station or another notebook in the office, the Smart AC Adapter can be used with any notebook - it will adjust to the power to whatever your notebook needs.

- Add an additional adapter and always have one available in the office or at home - no need to carry it with you at all times
- designed to enable optimum system performance

	HP 45W Smart AC Adapter (H6Y88AA)	
Dimensions	3.77 x 1.95 x .88 in (96 x 49.5 x 22.4 mm)	
Weight	7.09 oz (201 g)	
Input	90 to 265 VAC	
Input Efficiency	87% min at 115 VAC	
Input frequency range	47 to 63 Hz	
Input AC current	1.4 A at 90 VAC	
	Output	
Output power	45W	
DC output		
Hold-up time	5 msec at 115 VAC input	
Output current limit	8A	
Connector	HP 4.5mm Smart Barrel	
	Environmental design	
Operating temperature	41° to 95° F (5° to 35° C)	
Non-operating (storage) temperature	-4° to 185° F (-20° to 85° C)	
Altitude	0 to 10,000 ft (0 to 3,048 m)	
Humidity	Up to 95%	
Storage humidity	Up to 95%	
EMI and safety certifications	Worldwide safety and EMC approvals including CE, UL, cUL, GS, Australian Electric Permit, RCM, NOM, CCC, KC, CU, S mark, BSMI, ISC, PSE, PSB, NRcan, Ukrain and SII	
Option kit contents		

QuickSpecs

Technical Specifications

	HP 45W Smart AC Adapter, 4.5mm to 7.4mm power DC dongle, power cord, warranty booklet

	HP 65W Smart AC Adapter (ED494AA)	HP 65W Smart AC Adapter (H6Y89AA)
Dimensions	4.17 x 1.85 x 1.1 in (106 x 47 x 28 mm)	4.17 x 1.85 x 1.1 in (106 x 47 x 28 mm)
Weight	0.62 lb (280 g)	0.62 lb (280 g)
Input	90 to 265 VAC	90 to 265 VAC
Input Efficiency	84% min at 115 VAC	84% min at 115 VAC
Input frequency range	47 to 63 Hz	
Input AC current	1.7 A at 90 VAC, 0.85 A at 180 VAC	1.7 A at 90 VAC, 0.85 A at 180 VAC
	Output	
Output power	65W	65W
DC output	18.5V	18.5V
Hold-up time	5 msec at 115 VAC input	
Output current limit	<5A, Over voltage protection- 29V max automatic shutdown	<5A, Over voltage protection- 29V max automatic shutdown
Connector	HP 7.4mm Smart Barrel	HP 4.5mm Smart Barrel
	Environmental design	
Operating temperature	41° to 95° F (5° to 35° C)	41° to 95° F (5° to 35° C)
Non-operating (storage) temperature	-4° to 185° F (-20° to 85° C)	-4° to 185° F (-20° to 85° C)
Altitude	0 to 10,000 ft (0 to 3,048 m)	
Humidity	Up to 95%	Up to 95%
Storage humidity	Up to 95%	Up to 95%
EMI and safety certifications	Worldwide safety and EMC approvals including CE, UL, CSA or cUL, GS, Australian Electric Permit, C-tick, NOM, CCC, KC, GOST, SABS, S mark, BSMI, ISC, PSE, PSB and SII.	
Option kit contents	HP 65W Smart AC Adapter, power cable, 65W non-Smart dongle, warranty booklet	HP 65W Smart AC Adapter, 4.5mm to 7.4mm power DC dongle, power cord, warranty booklet

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Technical Specifications

	HP 90W Smart AC Adapter (H6Y90AA)
Dimensions	5.00 x 1.97 x 1.1 in (127 x 50 x 29 mm)
Weight	0.82 lb (370 g)
Input	100 to 240 VAC
Input Efficiency	83% min at 115 VAC
Input frequency range	47 to 63 Hz
Input AC current	1.5 A at 90 VAC, 0.75 A at 180 VAC PFC Version 2.4 A at 90 VAC, 1.2 A at 180 VAC NON PFC Version
Output power	90W
DC output	19.0V
Hold-up time	5 msec at 115 VAC input
Output current limit	<11A, Over voltage protection- 29V max automatic shutdown
Connector	HP 4.5 mm Smart Barrel
	Environmental design
Operating temperature	32° to 104° F (0° to 40° C)
Non-operating (storage) temperature	-4° to 149° F (-20° to 65° C)
Altitude	0 to 10,000 ft (0 to 3,048 m)
Humidity	20% to 80%
Storage humidity	10% to 90%
EMI and safety certifications	Worldwide safety and EMC approvals including CE, UL, CSA or cUL, GS, Australian Electric Permit, C-tick, NOM, CCC, KC, GOST, SABS, S mark, BSMI, ISC, PSE, PSB and SII.
Option kit contents	HP 90W Smart AC Adapter, 4.5mm to 7.4mm power DC dongle, power cord, warranty booklet

	HP 150W 4.5mm Smart AC Adapter (W2F74AA)	HP 200W 4.5mm Smart AC Adapter (W2F75AA)
Dimensions	6.02 x 25 x 0.88 in (15 x 66 x22 mm)	6.77 x 3.77 x1 in (172 x 96 x 25.4 mm)
Weight	0.705 lb (320g)	1.92 lb (875g)
Input	90 to 265 VAC RMS.	90 to 265 VAC RMS.
Input Efficiency	88% min at 115 VAC	88% at 115 VAC input and 89% at 230 VAC
Input frequency range	47 – 63 Hz AC.	
Input AC current	2.7 A at 90 VAC	2.7 A at 90 VAC
	Output	
Output power	150W	200W
DC output	19.50V +5.0%/-5%	19.50V +5.0%/-5%
Hold-up time	5 msec at 115 VAC input	
Output current limit	<-15 A, Over voltage protection- 29V max automatic shutdown	<-16 A, Over voltage protection- 29V max automatic shutdown
Connector	HP 4.5 mm Smart Barrel	HP 4.5 mm Smart Barrel
	Environmental design	

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Technical Specifications

Operating temperature	0 to 35□C.	0 to 35□C.
Non-operating (storage) temperature	-20 to 85□C.	-20 to 85□C.
Altitude	Operating 10,000 ft above sea level or 5,000m above sea level with a 32□C maximum ambient air temperature Non-operating 50,000 ft (15,240m) above sea level	
Humidity	Up to 95%	Up to 95%
Storage humidity	Up to 95%	Up to 95%
EMI and safety certifications	Worldwide safety and EMC approvals including CE, UL, CSA or cUL, GS, Australian Electric Permit, C-tick, NOM, CCC, KC, GOST, SABS, S mark, BSMI, ISC, PSE, PSB and SII.	
Warranty	1 year	
Option kit contents	AC Power brick, Country Power cord, 4.5mm to 7.4mm power dongle, Quick Set up Guide, Warranty Notification	AC Power brick, Countrry Power cord, 4.5mm to 7.4mm power dongle, Quick Set up Guide, Warranty Notification

QuickSpecs

Technical Specifications

HP Slim Adapters
The HP Slim AC Adapters are 40% thinner than the standard notebook adapter.

Key benefits:

- Provides a convenient and portable power source for use in a mobile environment
- Includes a convenient USB port for charging other accessories while you work

	HP 65W Slim AC Adapter (H6Y82AA)
Dimensions w/o DC cable	4.72 x 2.28 x 0.67 in (120 x 58 x 17 mm)
Weight	0.49 lb (222.6 g)
Input	100 to 240 VAC
Input efficiency	83% min at 115 VAC
Input frequency range	47 to 63 Hz
Input AC current	<1.7 A at 90 VAC
	Output
Output power	65W
DC output	19.50V +5.0%/-5.0%
Hold-up time	5 msec at 115 VAC input
Output current limit	<11A, Over voltage protection- 29V max automatic shutdown
Connector	3 pin/grounded, mates with interchangeable cords
	Environmental design
Operating temperature	32° to 104° F (0° to 40° C)
Non-operating (storage) temperature	-4° to 149° F (-20° to 65° C)
Altitude	0 to 10,000 ft (0 to 3,048 m)
Humidity	20% to 80%
Storage humidity	10% to 90%
EMI and safety certifications	Worldwide safety and EMC approvals including CE, UL, CSA or cUL, GS, Australian Electric Permit, C-tick, NOM, CCC, KC, GOST, SABS, S mark, BSMI, ISC, PSE, PSB and SII.
Option kit contents	HP Slim Adapter, DC connector tips (4.5mm/7.4mm Smart, Ultrabook™), detachable cable, AC power cord, documentation, quick setup poster and warranty

	HP 90W Slim AC Adapter (H6Y83AA)

Technical Specifications

Dimensions w/o DC cable	5.43 x 2.28 x 0.67 in (138 x 58 x 17 mm)
Weight	0.49 lb (222.6 g)
Input	100 to 240 VAC
Input efficiency	87% min at 115 VAC
Input frequency range	47 to 63 Hz
Input AC current	<1.6 A at 90 VAC
	Output
Output power	90W
DC output	19.50V +5.0%/-5.0%
Hold-up time	5 msec at 115 VAC input
Output current limit	<11A, Over voltage protection- 29V max automatic shutdown
Connector	3 pin/grounded, mates with interchangeable cords
	Environmental design
Operating temperature	32° to 104° F (0° to 40° C)
Non-operating (storage) temperature	–4° to 149° F (–20° to 65° C)
Altitude	0 to 10,000 ft (0 to 3,048 m)
Humidity	20% to 80%
Storage humidity	10% to 90%
EMI and safety certifications	Worldwide safety and EMC approvals including CE, UL, CSA or cUL, GS, Australian Electric Permit, C-tick, NOM, CCC, KC, GOST, SABS, S mark, BSMI, ISC, PSE, PSB and SII.
Option kit contents	HP Slim Adapter, DC connector tips (4.5mm/7.4mm Smart, Ultrabook™), detachable cable, AC power cord, documentation, quick setup poster and warranty

	HP 150W Smart AC Adapter (AL192AA)	HP 230W Smart AC Adapter (H1D36AA)

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Technical Specifications

Dimensions w/o DC cable	6.65 x 2.76 x 1.57 in (16.8 x 8.2 x 2.54 mm)	7.9 x 3.9 x 1.02 (200.0 x 100 x 26 mm)
Weight	1.61 lb (730.3 g)	1.79 lb (811.9 g)
Input	90 to 265 VAC	90 to 265 VAC
Input efficiency	87% min at 115 VAC	87% min at 115 VAC
Input frequency range	47 to 63 Hz	
Input AC current	<2.7 A at 90 VAC	<3.5 A at 90 VAC
	Output	
Output power	150W	230W
DC output	19.50V +5.0%/-5.0%	
Hold-up time	5 msec at 115 VAC input	
Output current limit	<15A, Over voltage protection– 29V max automatic shutdown	<18A; Over voltage protection– 29V max automatic shutdown
Connector	HP 7.4mm Smart Barrel	
	Environmental design	
Operating temperature	41° to 95° F (5° to 35° C)	
Non-operating (storage) temperature	-4° to 185° F (-20° to 85° C)	
Altitude	0 to 10,000 ft (0 to 3,048 m)	
Humidity	10% to 95%	
Storage humidity	10% to 95%	
EMI and safety certifications	Worldwide safety and EMC approvals including CE, UL, CSA or cUL, GS, Australian Electric Permit, C-tick, NOM, CCC, KC, GOST, SABS, S mark, BSMI, ISC, PSE, PSB and SII.	
Option kit contents	HP Smart AC Adapter, AC power cord, documentation, quick setup poster and warranty	

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Technical Specifications

HP Specialized Travel Adapter

The HP Smart Travel AC Adapter series offers the HP Smart 65W Travel AC Adapter, which is perfect for "road warriors" who are always on the go. The adapter is 40% thinner than the standard 65W adapter.

Key benefits:

- Provides a convenient and portable power source for use in a mobile environment
- Includes a convenient USB port for charging other accessories while you work
- Offers four international adapter plugs (U.S., EU, Japan, and UK) for usage almost anywhere in the world
- A stylish protective carrying case keeps everything together

HP 65W Smart Travel AC Adapter (J0E43AA)	**Dimensions**	4.72 x 2.28 x 0.67 in (120 x 58 x 17 mm)	
	Weight	0.49 lb (222.6 g)	
	Input	100 to 240 VAC	
		Input efficiency	83% min at 115 VAC
		Input frequency range	47 to 63 Hz
		Input AC current	1.7 A at 90 VAC, 0.85 A at 180 VAC
	Output	**Output power**	65W
		DC output	19.5V 5.0V
		Hold-up time	5 msec at 115 VAC input
		Output current limit	<5A, Over voltage protection- 29V max automatic shutdown
	Connector	3 pin/grounded, mates with interchangeable cords	
	Environmental design	**Operating temperature**	32° to 104° F (0° to 40° C)
		Non-operating (storage) temperature	-4° to 149° F (-20° to 65° C)
		Altitude	0 to 10,000 ft (0 to 3,048 m)
		Humidity	20% to 80%
		Storage humidity	10% to 90%
	EMI and safety certifications	Worldwide safety and EMC approvals including CE, UL, CSA or cUL, GS, Australian Electric Permit, C-tick, NOM, CCC, KC, GOST, SABS, S mark, BSMI, ISC, PSE, PSB and SII.	
	Option kit contents	HP Slim Adapter, DC connector tips (4.5mm/7.4mm Smart, Ultrabook™), detachable cable, AC power cord, US/Japan/EU/UK duck heads, documentation, quick setup poster, warranty, and carrying case.	

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Technical Specifications

HP Combo Adapters

HP 90W Combo Adapters are designed for mobile workers who need an adapter while traveling in the car or by air.

HP 90W Slim Combo Adapter with USB detachable DC cable + tips (H6Y84AA)	**Dimensions**		5.94 x 2.75 x 1.00 in (151 x 70 x 25 mm)
	Weight		0.88 lb (400 g)
	AC input		90 to 264 VAC
		Input frequency range	47 to 63 Hz
	DC input		10 to 32 VDC
		Input DC current	12.5 at 10VDC
	Output	**Output power**	100W
		DC output	19.5V 5V / 2A (USB)
	Environmental design	**Operating temperature**	32° to 95° F (0° to 35° C)
		Non-operating (storage) temperature	-4° to 185° F (-20° to 85° C)
		Altitude	0 to 19,685 ft (0 to 5,000 m)
		Humidity	20% to 95%
		Storage humidity	5% to 95%
	EMI and safety certifications		Worldwide safety and EMC approvals including CE, UL, CSA or cUL, GS, Australian Electric Permit, C-tick, NOM, CCC, KC, GOST, SABS, S mark, BSMI, ISC, PSE, PSB and SII.
	Option kit contents		HP 90W Slim Combo Adapter, DC connector tips (4.5mm/7.4mm Smart, Ultrabook™), detachable DC cable, AC power cord, auto/truck cigarette lighter cable, replacement fuses, quick setup poster, warranty, and carrying case.

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HP 15W mUSB Power Adapter
Keep working and charge your HP Chromebook 11 with the compact HP 15W mUSB Power Adapter.
Simply connect one end of the adapter to your HP Chromebook 11's mini USB connector, and plug the other end into a standard outlet. The compact size fits easily in your notebook's carrying case.
Rest easy with a one-year parts replacement limited warranty

HP 15W mUSB Power Adapter K9Q38AA	Dimensions		3.54 x 1.96 x 1.10 in (90 x 50 x 28 mm)
	Weight		0.227 lb (0.103 kg)
		Input efficiency	Greater than 76.77% at 115Vac & 230Vac
		Input frequency range	47 – 63 Hz
		Input AC current	Shall be less than 0.6 Amperes
	Output	Output power	15.75 WATT
		DC output	5.25V +5.0%/-5.0%
		Hold-up time	3 milliseconds
		Output current limit	Maximum at 3.8 Amperes
	Connector		Micro USB (JAE DX4PW05HS1)
	Environmental design	Operating temperature	0 to 35°C
		Non-operating (storage) temperature	-20 to 85°C.
		Altitude	10,000 feet above sea level
		Humidity	95% Humidity
		Storage humidity	0 to 35°C
	EMI and safety certifications		IEC 61000-4-2 BLUE ANGEL NORDIC SWAN (V5.1) CHINA SEPA CHINA CECP (APPLY WITH WHOLE SYSTEM LEVEL) TAIWAN GREEN MARK JAPAN PC GREEN KOREA KOECO ENERGY STARTM 5.2 EPEAT UL 60950-1
	Option kit contents		1pcs QSP card,1pcs Notice card,1pcs Warranty card,1pcs Adapter,1pcs Duck head,

HP 45W USB-C Power Adapter
Power and charge your notebook or tablet1 from its USB-C™ port with the HP 45W USB-C™ AC Adapter. Connect one end of the adapter to the USB-C™ port on your device1, and plug the AC head into any available wall outlet. Get a one-year limited warranty.
USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum.

HP 45W USB-C Power Adapter V5Y26AA	Dimensions	66mm x 66mm mm x 28.5 mm

Technical Specifications

Output	**Input Efficiency**	78.71% min at 115V/230V(option) @5V/2A 87.41% min at 115V/230V(option) @12V/3A 87.73% min at 115V/230V(option) @15V/3A
	Input frequency range	47 to 63 Hz
	Input AC current	1.4 A at 90 VAC and maximum load
	Output power	45W max
	DC output	5V/12V/15V
	Hold-up time	5msec at 115 VAC input
	Output current limit	< 5A Over voltage protection: 5V less than 7.25V 12V less than 16.85V 15V less than 20.5V
Connector		3 pin/grounded, mates with type-C connector
Environmental Design	**Operating temperature**	0° to 35° C
	Non-operating (storage) temperature	-20° to 85° C
	Altitude	0 to 5,000 m
	Humidity	0% to 95%
	Storage Humidity	0% to 95%
Safety Certifications		CE Mark - EMC directives; Worldwide safety standards - IEC60950, EN60950, UL60950, Class1, SELV; Agency approvals - C-UL-US, NORDICS, DENAN, EN55022 Class B, FCC Class B, CISPR22 Class B, CCC, NOM-1 NYCE; Reliability - failure rate of less than 0.1% annually within the first three years of operation.

Date of change:	Version 1 to 2		Description of change:
July 16, 2014	From v30 to v31	Changed	Version number to match PB/Concentra
November 11, 2014	From v31 to v32	Added	HP 15W mUSB Power Adapter
December 4, 2014	From v32 to v33	Added	Specs for the HP 15W mUSB Power Adapter and removed products no longer offered.
February 8, 2016	From v33 to v34	Updated	Compatibility for the 45W Smart AC Power adapter (H6Y88AA)
February 29, 2016	From v34 to v35	Added	HP 150W Smart AC Adapter (4.5mm) HP 200W Smart AC Adapter (4.5mm)
March 8, 2016	From v35 to v36	Added	HP 45W USB-C™ AC Adapter
		Deleted	HP 40W Smart AC Adapter HP 90W Smart Auto Adapter HP 90W Slim Combo Adapter with USB HP 230W Smart AC Adapter

Summary of Changes