HP Smart AC Adapters

Add an additional adapter and always have one available in the office or at home

HP 45W Smart AC Adapter (4.5mm)

Enjoy compatibility with current and legacy devices. The 4.5 mm connector supports evolving smaller form factors, and the included 7.4 mm connector cable enables charging support for earlier platforms.

Get the peace of mind of a one-year limited warranty. Additional support is available (North America only) seven days a week, 24 hours a day by phone as well as through online support forums.

HP 65W Smart AC Adapter (4.5mm)

Easy to use
Plug one end of the adapter into your HP Business Notebook or HP Docking Station[1] and the other end into a standard outlet.

Power up wherever you work
Leave a handy spare at home or take the compact adapter with you in your notebook's carrying case.

World-class support
Rest easy with a one-year limited warranty.

HP 90W Smart AC Adapter (4.5mm)

Controlled and efficient flow
Operate with confidence with optimal performance using smart-pin technology and reduce the risk of power surges, while drawing only minimal power as needed.

Connection for today and yesterday
Connection versatility with a specially designed dongle allowing for simple conversion from the new standard 4.5mm connector to HP predecessor notebooks with 7.4mm connectors

The perfect right turn
Tight access made convenient – the new right-angled (90°) 4.5mm connector allows for connecting in limited spaces and reduces cord bending providing better cable management and longevity.

HP 150W Smart AC Adapter (4.5mm)

Easy to use
Plug one end of the adapter into your HP Mobile Workstation or HP Docking Station[1] and the other end into a standard outlet. The included 4.5mm to 7.4mm smart cable allows you to carry one adapter for new and legacy platforms.

Take it with you
Power up wherever you work. The compact, reliable adapter fits easily in your notebook's carrying case and is 50% lighter than its previous generation model.

Worry-free charging
Get an adapter that detects and regulates the correct electrical current for your HP Mobile Workstation or HP Docking Station.

HP 150W Slim Smart AC Adapter (4.5mm)

Easy to use
Plug one end of the adapter into your HP Mobile Workstation or HP Docking Station[1] and the other end into a standard outlet. The included 4.5mm to 7.4mm smart cable allows you to carry one adapter for new and legacy platforms.

Take it with you
Power up wherever you work. The compact, reliable adapter fits easily in your notebook's carrying case and is 50% lighter than its previous generation model.

Worry-free charging
Get an adapter that detects and regulates the correct electrical current for your HP Mobile Workstation or HP Docking Station.

HP 200W Smart AC Adapter (4.5mm)

Easy to use
Help keep your notebook safe in the office and high-traffic areas by tethering it to a secure surface with the HP Keyed Cable Lock 10mm, designed specifically for ultra-thin profile notebooks.

Take it with you
Power up wherever you work. The compact, reliable adapter fits easily in your notebook's carrying case.

Worry-free charging
Get an adapter that detects and regulates the correct electrical current for your HP Mobile Workstation or HP Docking Station[1].

World-class support
Conserve battery life, be more productive, and get uninterrupted power for your HP ZBook and select HP Docking Stations[1] with HP 200W Smart AC Adapter.

1. Sold separately. See product QuickSpecs for compatibility.

Specifications

	HP 45W Smart AC Adapter	HP 65W Smart AC Adapter
Part number	H6Y88AA	H6Y89AA
Dimensions	3.77 x 1.95 x .88 in (96 x 49.5 x 22.4 mm)	4.17 x 1.85 x 1.1 in (106 x 47 x 28 mm)
Weight	7.09 oz (201 g)	0.62 lb (280 g)
Input	90 to 265 VAC	90 to 265 VAC
Input efficieny	87% min at 115 VAC	84% min at 115 VAC
Input frequency range	47 to 63 Hz	
Input AC current	1.4 A at 90 VAC	1.7 A at 90 VAC, 0.85 A at 180 VAC
Output power	45W	65W
DC Output		18.5V
Hold up time	5 msec at 115 VAC input	
Output current limit	8A	<5A, Over voltage protection– 29V max automatic shutdown
Connector	HP 4.5mm Smart Barrel	HP 4.5mm Smart Barrel
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)	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, cUL, GS, Australian Electric Permit, RCM, NOM, CCC, KC, CU, S mark, BSMI, ISC, PSE, PSB, NRcan, Ukrain and SII	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 45W Smart AC Adapter, 4.5mm to 7.4mm power DC dongle, power cord, warranty booklet	HP 65W Smart AC Adapter, 4.5mm to 7.4mm power DC dongle, power cord, warranty booklet
Compatibility	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 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

Specifications

	HP 90W Smart AC Adapter	HP 150W 4.5mm Smart AC Adapter
Part number	H6Y90AA	W2F74AA
Dimensions	5.00 x 1.97 x 1.1 in (127 x 50 x 29 mm)	6.02 x 25 x 0.88 in (15 x 66 x22 mm)
Weight	0.82 lb (370 g)	0.705 lb (320g)
Input	100 to 240 VAC	90 to 265 VAC RMS.
Input efficieny	88% at 115VAC 89% at 230 VAC	88% min at 115 VAC
Input frequency range	47 to 63 Hz	47 – 63 Hz AC.
Input AC current	1.5 A at 90 VAC, 0.75 A at 180 VAC PFC Version	2.7 A at 90 VAC
Output power	90W	150W
DC Output	19.0V	19.50V +5.0%/-5%
Hold up time	5 msec at 115 VAC input	5 msec at 115 VAC input
Output current limit	<11A, Over voltage protection- 29V max automatic shutdown	<-15 A, Over voltage protection- 29V max automatic shutdown
Connector	HP 4.5 mm Smart Barrel	HP 4.5 mm Smart Barrel
Operating temperature	32° to 104° F (0° to 40° C)	0 to 35⬚C.
Non-operating (storage) temperature	-4° to 149° F (-20° to 65° C)	-20 to 85⬚C.
Altitude	0 to 10,000 ft (0 to 3,048 m)	Operating: The power supply can be operated at 5,000 m above sea level. Non-Operating: 50,000 feet above sea level.
Humidity	20% to 80%	Up to 95%
Storage humidity	10% to 90%	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.	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	AC Power brick, Country Power cord, 4.5mm to 7.4mm power dongle, Quick Set up Guide, Warranty Notification
Compatibility	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 ZBook Studio G3, HP ZBook 15 G3 and HP ZBook 15u G3 mobile workstations

Specifications

	HP 150W Slim Smart AC Adapter (4.5mm)	HP 200W 4.5mm Smart AC Adapter
Part number	4SC18AA	W2F75AA
Dimensions	6.02 x 25 x 0.88 in (138 x 66 x 22 mm)	6.77 x 3.77 x1 in (172 x 96 x 25.4 mm)
Weight	0.7 lb (320 g)	1.92 lb (875 g)
Input		90 to 265 VAC RMS.
Input efficieny	88% at 115 Vac and 89% at 230Vac	88% at 115 VAC input and 89% at 230 VAC
Input frequency range	47 ~ 63 Hz	47 – 63 Hz AC.
Input AC current	2.7 A at 90 Vac and Maximum Load	2.7 A at 90 VAC
Output power	150W	200W
DC Output	19.5V	19.50V +5.0%/-5%
Hold up time	5ms at 115 Vac input	5 msec at 115 VAC input
Output current limit	<16.0A	<-16 A, Over voltage protection- 29V max automatic shutdown
Connector	HP 4.5 mm Smart Barrel	HP 4.5 mm Smart Barrel
Operating temperature	32°F to 95°F (0° to 35°C)	0 to 35°C.
Non-operating (storage) temperature	-4°F to 185°F (-20° to 85°C)	-20 to 85°C.
Altitude	0 to 16,400 ft (0 to 5000m)	Operating: The power supply can be operated at 5,000 m above sea level. Non-Operating: 50,000 feet above sea level.
Humidity	5% to 95%	Up to 95%
Storage humidity	5% to 95%	Up to 95%
EMI and safety certifications	Eg: *CE Mark - full compliance with LVD and 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. * MTBF - over 100,000 hours at 25°C ambient condition.	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 150W Slim Smart AC Adapter (4.5mm); Documentation	AC Power brick, Countrry Power cord, 4.5mm to 7.4mm power dongle, Quick Set up Guide, Warranty Notification
Compatibility	Compatible with HP ZBook Studio G3, HP ZBook 15 G3 and HP ZBook 15u G3 mobile workstations	HP ZBook 17 G3, G4

4AA7-1999ENW, December 2018