Introduction

HP docking solutions include a range of convenient expansion solutions that easily connect to your HP Business Notebook and enable connectivity to a range of peripherals. Create an ideal desktop computing environment using comfort-focused docking stations and stands that provide port replication, cable management, and future expandability.

These docking stations feature the proprietary HP Docking Station Cable Lock, in addition to an industry standard notebook lock slot. The HP Docking Station Cable Lock (AU656AA) gives you three locking options: lock the docking station only (which also prevents access to the advanced docking station's drive bay); lock both the docking station and the notebook; or physically secure the docking station to a stationary object using the security cable tab.

NOTE: Check the compatibility sections below for a list of products supported by these docking stations. Due to technology changes, some notebook models may be supported by different docking station solutions. Please also refer to your notebook's QuickSpecs for individual compatible product information. All docking stations only support single-link DVI-D.

Models

HP 2012 90W Docking Station	A7E32AA
HP 2012 230W Docking Station	A7E34AA
HP 2012 120W Advanced Docking Station	A7E36AA
HP 2012 230W Advanced Docking Station	A7E38AA
HP Docking Station Cable Lock	AU656AA

Compatibility

HP 2012 Docking Stations and HP Advanced Docking Stations are compatible with HP ProBook b-Series Notebook PCs, HP EliteBook 8xxx p Series Notebook PCs, and HP EliteBook 8xxx w Series Mobile Workstations.

The HP 2012 230W Docking Station and Advanced Docking Station are compatible with the HP EliteBook 8xxx p Series Notebook PCs and w Series Mobile Workstations. The HP Docking Station Cable Lock (AU656AA#XXX) is compatible with the docking stations.

NOTE: Some notebook models do not support these docking features. Docking capability for these models is provided by the HP 3005pr USB 3.0 Port Replicator (H1L08AA) and HP 2005pr USB 2.0 Port Replicator (H1L07AA).
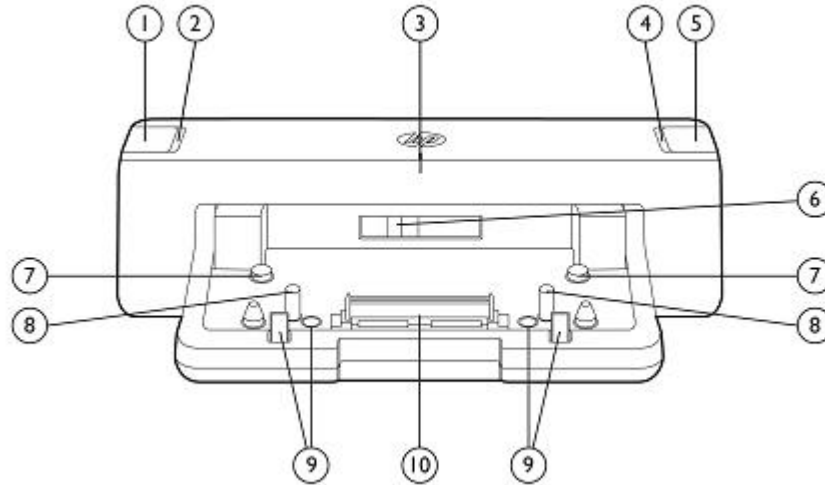NOTE: Not all models are available in all regions.

Service and support

One-year limited warranty. Additional support is available 24 hours a day, seven days a week by phone as well as online support forms.
NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.
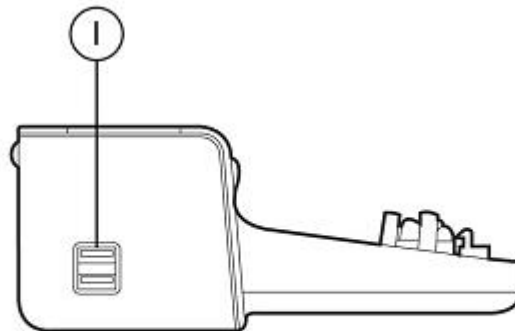
HP 2012 90W and 230W Docking Stations

HP 2012 90W Docking Station
HP 2012 230W Docking Station

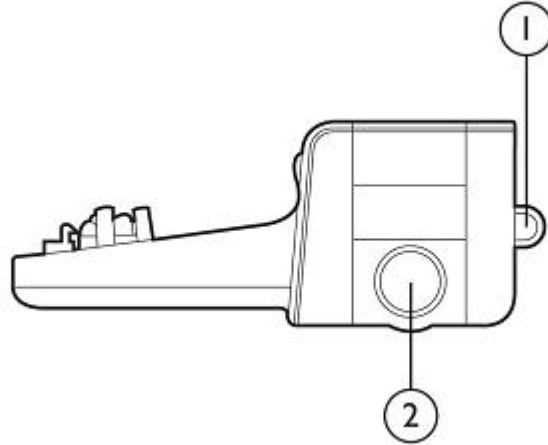|	
1. Power button	6. Battery size lever
2. Power light	7. Guide pads
3. Visual alignment indicator	8. Docking posts
4. Docking light	9. Notebook eject mechanisms
5. Notebook eject button	10. Docking connector

HP 2012 90W Docking Station Left-Side Components
HP 2012 230W Docking Station Left-Side Components
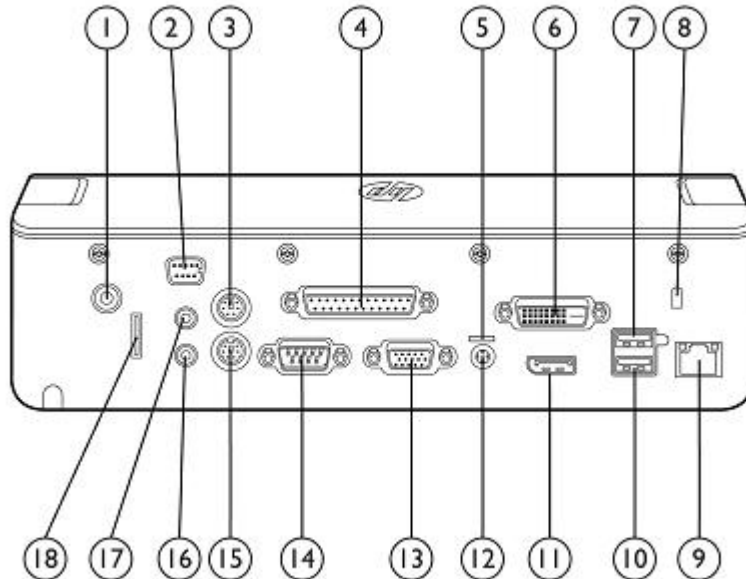

1. Always-On USB 3.0 ports

HP 2012 90W Docking Station Right-Side Components
HP 2012 230W Docking Station Right-Side Components

HP 2012 90W and 230W Docking Stations

1. Security cable tab

2. Integrated cable lock slot
    (to connect HP Docking Station Cable Lock or industry standard notebook lock)

HP 2012 90W Docking Station Rear Components
HP 2012 230W Docking Station Rear Components

1. HP Docking Station Cable Lock slot
2. Monitor stand port
3. Mouse connector
4. Parallel port
5. Power light
6. Digital video (DVI-D) port
7. Powered USB 3.0 port
8. Security cable slot
9. RJ-45 (network) jack

10. Always-On USB 3.0 port
11. DisplayPort connector
12. Power connector
13. External monitor (VGA) port
14. Serial port
15. Keyboard connector
16. Line-In jack
17. Audio-out (headphone) jack
18. Security cable tab

HP 2012 90W and 230W Docking Stations

Key Benefits

Desktop convenience with full port replication capability in a space-saving design.

- Conveniently charges your notebook while it is in the docking station.
- Easy docking system provides port replication and cable management in one product.
- Four USB 3.0 ports allow you to connect to legacy and evolving peripherals and be more productive.
- Optional integrated HP Docking Station Cable Lock allows you to secure your docking station and notebook with one lock. Also supports an industry standard notebook lock.

AC adapter included

The HP 2012 90W Docking Station gives you an energy-efficient 90W Smart AC adapter for your Notebook PC. The HP 2012 230W Docking Station gives you an energy-efficient 230W Smart AC adapter for your Notebook PC or Mobile Workstation. These Smart Adapters help guard against power fluctuations with integrated surge protection.

Standard Features

2 docking posts	Align and secure the computer for proper connection to the docking station
Docking connector	Connects the computer to the docking station
Visual alignment indicator	Helps you align the computer with the docking station for fast and easy docking
Power button and power light	Power indicators
Eject button and docking light	Ejects computer from docking station. Docking light is turned on when the computer is properly connected.
USB ports	4 USB 3.0 ports (3 Always-On, 1 powered)
Always-On USB port	Allows you to charge USB powered devices while the computer is in standby mode, powered off or not in the docking station.
Powered USB port	Allows you to connect to select powered USB and regular USB devices.
Integrated cable lock slot	Supports the HP Docking Station Cable Lock with a drastically simplified locking mechanism. Gives you two security options: lock the docking station only (which also prevents access to the Advanced Docking Station drive bay); or lock both the docking station and your notebook for additional security. Also supports an industry standard notebook lock.
Audio and Network connectors	Audio and Ethernet ports, Line-in jack, headphone jack; does not support mic out
Legacy connectors	Mouse, keyboard, serial and parallel connectors
Other connectors	1 Monitor Stand, 1 DisplayPort 1.2, 1 VGA, and 1 DVI-D connector. AC adapter connector with light
Smart Adapter	HP 90W Smart AC Adapter or HP 230W Smart AC Adapter

NOTE: Your computer, docking station, and monitor must all support USB 3.0 and DisplayPort 1.2 to benefit from the advanced speeds or features that these technologies provide. If one of the devices does not support these technologies, you will still have USB 2.0 and DisplayPort 1.1 functionality.
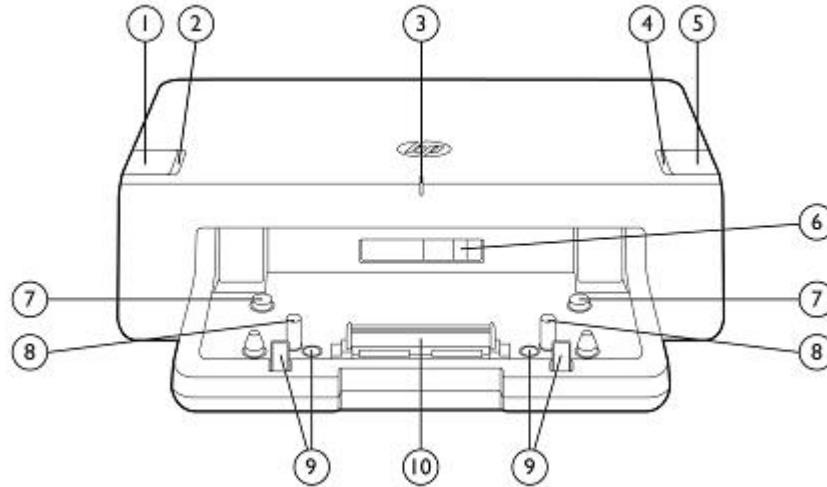
HP 2012 90W and 230W Docking Stations

Specifications

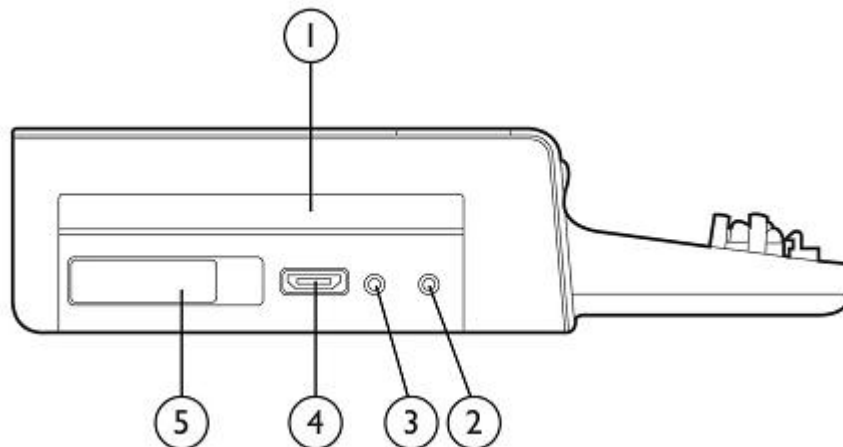|		
Dimensions (H x W x D)	2.6 x 10.24 x 6.44 in (6.60 x 26.00 x 16.36 cm)	
Weight	2.36 lbs (1.07 kg)	
Power Supply (input)	Rated Voltage	100 to 240 V
	Rated Current	2.5A rms
	Line Frequency	50 - 60 Hz
Temperature	Operating	50° to 95° F (10° to 35° C)
	Non-operating	14° to 140° F (-10° to 60° C)
Relative Humidity	Operating/Non-condensing	10% to 90% relative humidity
	Non-operating	5% to 90% relative humidity, 101.6° F (38.7° C) maximum wet bulb temperature
Maximum Altitude	Operating	0 to 10,000 ft (0 to 3,048 m)
	Non-operating	0 to 30,000 ft (0 to 9,144 m)
Shock	Operating	10 G, 11 ms, half-sine
	Non-operating	60 G, 11 ms, half-sine
Vibration	Operating	0.5 G zero-to-peak, 10 to 500 Hz, 0.25 oct/min sweep rate
	Non-operating	1 G, zero-to-peak, 10 to 500 Hz, 0.5 oct/min sweep rate
Option Kit Contents	HP 2012 90W Docking Station, AC power adapter, documentation	
	HP 2012 230W Docking Station, AC power adapter, documentation	

HP 2012 120W and 230W Advanced Docking Stations

HP 2012 120W Advanced Docking Station
HP 2012 230W Advanced Docking Station

1. Power button
2. Power light
3. Visual alignment indicator
4. Docking light
5. Notebook eject button

6. Battery size lever
7. Guide pads
8. Docking posts
9. Notebook eject mechanisms
10. Docking connector

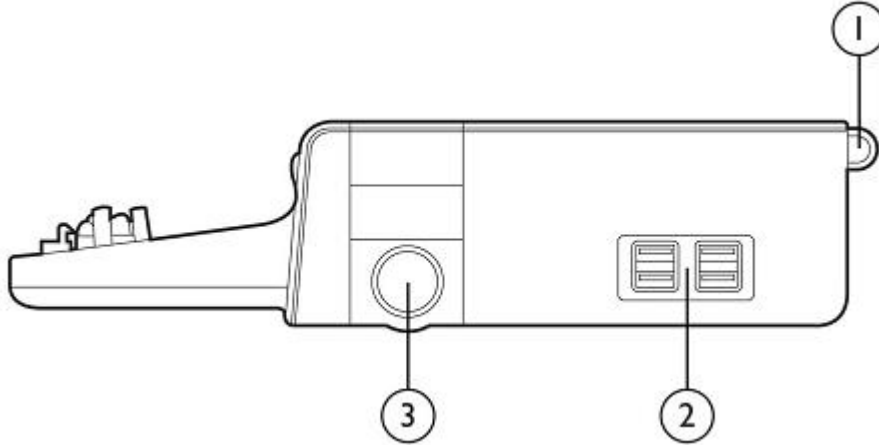**HP 2012 120W Advanced Docking Station Left-Side Components**
HP 2012 230W Advanced Docking Station Left-Side Components

1. SATA upgrade bay
2. Audio-out (headphone) jack
3. Line-in jack

4. eSATA adapter
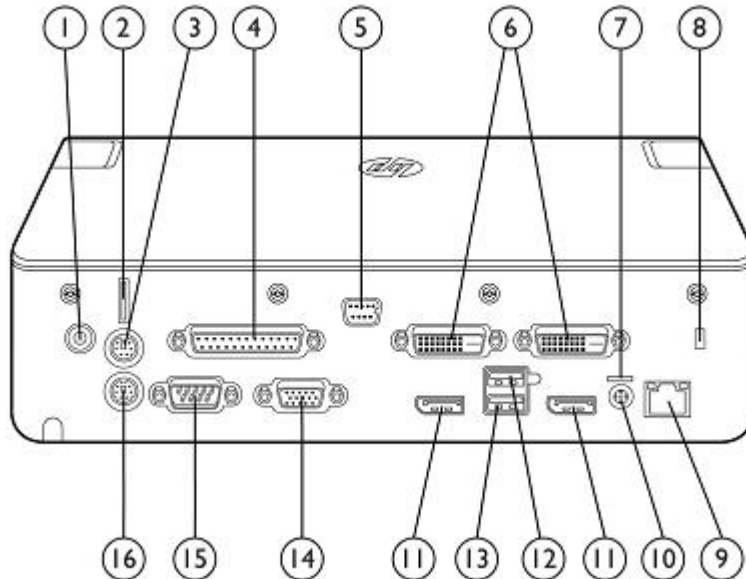5. SATA upgrade bay release lever

HP 2012 120W Advanced Docking Station Right-Side Components
HP 2012 230W Advanced Docking Station Right-Side Components

HP 2012 120W and 230W Advanced Docking Stations

1. Security cable slot

2. (4) USB 3.0 ports

3. Integrated cable lock slot
    (to connect HP Docking Station Cable Lock or industry standard notebook lock)

HP 2012 120W Advanced Docking Station Rear Components
HP 2012 230W Advanced Docking Station Rear Components

1. HP Docking Station Cable Lock slot
2. Security cable tab
3. Mouse connector
4. Parallel port
5. Monitor stand port
6. Digital video (DVI-D) ports
7. Power light
8. Security cable slot

9. RJ-45 (network) jack
10. Power connector
11. DisplayPort connector
12. Powered USB 2.0 port
13. Always-On USB 2.0 port
14. External monitor (VGA) port
15. Serial port
16. Keyboard connector

HP 2012 120W and 230W Advanced Docking Stations

Key Benefits

Robust desktop replacement solution for your mobile office with advanced features for future expansion.

- Conveniently charges your notebook while it is in the docking station.
- Easy docking system provides port replication and cable management, plus expandability through an integrated SATA upgrade bay- all in one product.
- Four USB 3.0 ports and two USB 2.0 ports allow you to connect to legacy and evolving peripherals and be more productive.
- Optional integrated HP Docking Station Cable Lock allows you to secure your docking station, notebook and integrated SATA drive with one lock. Also supports an industry standard notebook lock.

AC adapter included

The HP 2012 120W Advanced Docking Station gives you an energy-efficient 120W Smart AC adapter for your Notebook PC. The HP 2012 230W Advanced Docking Station gives you an energy-efficient 230W Smart AC adapter for your Notebook PC or Mobile Workstation. These Smart adapters guard against power fluctuations with integrated surge protection.

Standard Features

2 docking posts	Align and secure the computer for proper connection to the docking station
Docking connector	Connects the computer to the docking station
Visual alignment indicator	Helps you align the computer with the docking station for fast and easy docking
Power button and power light	Power indicators
Eject button and docking light	Ejects computer from docking station. Dock light is turned on when the computer is properly connected.
USB ports	4 USB 3.0 ports (Always On), 2 USB 2.0 ports (1 Always-On, 1 powered)
Always-On USB port	Allows you to charge USB powered devices while the computer is in standby mode, powered off or not in the docking station.
Powered USB port	Allows you to connect to select powered USB and regular USB devices
Integrated cable lock slot	Supports the HP Docking Station Cable Lock, which gives you two security options: lock the docking station only (which also prevents access to the Advanced Docking Station drive bay); or lock both the docking station and your notebook for additional security. Also supports an industry standard notebook lock.
eSATA port	Enable ultra-fast (up to 3Gb/s) external data connectivity with any customer supplied eSATA device such as an eSATA Hard Drive.
Audio and Network connectors	Audio and Ethernet ports, line-in jack, headphone jack; does not support mic out
Legacy connectors	Mouse, keyboard, serial and parallel connectors
Other connectors	1 Monitor Stand, 2 DisplayPort 1.2, 1 VGA, and 2 DVI-D connectors. AC adapter connector with light **NOTE:** A maximum of three displays can be supported through the HP 2012 120W Advanced Docking Station (A7E36AA) and HP 2012 230W Advanced Docking Station (A7E38AA). The DisplayPort and DVI connectors are shared, so you may choose one DisplayPort or DVI plus a second DisplayPort, or DVI plus the VGA connector. Therefore, the choices are DP+DP+VGA, DP+DVI+VGA, DVI+DP+VGA or DVI+DVI+VGA.
Upgrade bay	Supports all HP upgrade bay hard drives and optical drives for additional local storage capabilities.
Smart Adapter	HP 120W or HP 230W Smart AC Adapter

NOTE: Your computer, docking station, and monitor must all support USB 3.0 and DisplayPort 1.2 to benefit from the advanced speeds or features that these technologies provide. If one of the devices does not support these technologies, you will still have USB 2.0 and DisplayPort 1.1 functionality.

HP 2012 120W and 230W Advanced Docking Stations

Specifications

Dimensions (H x W x D)	2.60 x 10.65 x 10.24 in (6.6 x 27.05 x 26.0 cm)	
Weight	3.61 lbs (1.637 kg)	
Power Supply (input)	Rated Voltage	100 to 240 V
	Rated Current	2.5A rms
	Line Frequency	50 - 60 Hz
Temperature	Operating	50° to 95° F (10° to 35° C)
	Non-operating	14° to 140° F (-10° to 60° C)
Relative Humidity	Non-operating	5% to 90% relative humidity, 101.6° F (38.7° C) maximum wet bulb temperature
Maximum Altitude	Operating	0 to 10,000 ft (0 to 3,048 m)
	Non-operating	0 to 30,000 ft (0 to 9,144 m)
Shock	Operating	10 G, 11 ms, half-sine
	Non-operating	60 G, 11 ms, half-sine
Vibration	Operating	0.5 G zero-to-peak, 10 to 500 Hz, 0.25 oct/min sweep rate
	Non-operating	1 G, zero-to-peak, 10 to 500 Hz, 0.5 oct/min sweep rate
Option Kit Contents	HP 2012 120W Advanced Docking Station, AC power adapter, documentation HP 2012 230W Advanced Docking Station, AC power adapter, documentation	

Related Options

HP Docking Station Cable Lock	AU656AA#XXX
HP USB Keyboard/Mouse Bundle*	RC465AA
HP Adjustable Display Stand	AW663AA
HP LCD Monitor Stand	QM196AA

*Availability may vary by region. Check your notebook platform QuickSpecs for specific compatibility.