

### Overview

## HP Docking Solution for the HP Z VR Backpack G1 Workstation

### Models

HP Z VR Backpack G1 Dock

2LM71AA

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### Compatibility

| Docking Station          | Mobile Workstation              |
|--------------------------|---------------------------------|
| HP Z VR Backpack G1 Dock | HP Z VR Backpack G1 Workstation |

**NOTE 1:** The HP Z VR Backpack G1 Dock is included with purchase of the HP Z VR Backpack Workstation

**NOTE 2:** The HP Z VR Backpack G1 Dock accessory kit includes the HP 330W Smart A/C Adapter

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### Overview

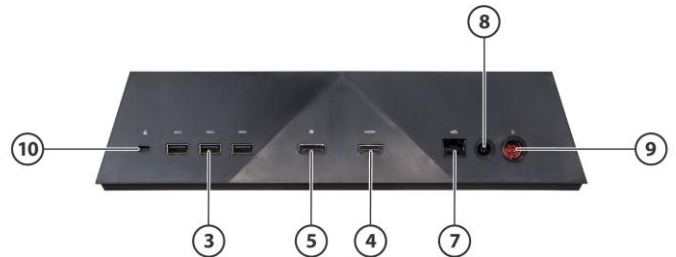
#### HP Z VR Backpack G1 Dock – Top View



#### HP Z VR Backpack G1 Dock – Front side



#### HP Z VR Backpack G1 Dock – Back side



1. Eject button
2. HP Z VR Backpack PC docking slot
3. USB 3.0 Type ports (5 total, 0 powered)
4. HDMI 2.0 port
5. DisplayPort™ 1.3 port
6. USB Type-C™ 3.1 port

7. RJ45 Ethernet 10/100/1000 jack
8. DC Out
9. DC In from 330W A/C Adapter
10. Security lock slot
11. Dock Connector for PC
12. Power Indicator LED

### Technical Specifications

#### HP Z VR Backpack G1 Dock

2LM71AA

##### Top Components

|                             |                                                                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>HP Z VR PC dock slot</b> | Latching docking slot for the HP Z VR Backpack G1 Workstation                                                                         |
| <b>Eject button</b>         | Allows you to disconnect the Workstation from the docking station                                                                     |
| <b>Computer power light</b> | White Light on: docked computer is turned on<br>White Light blinking: docked computer is in standby mode<br>Yellow Light on: charging |

##### Front Components

|                            |                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------|
| <b>USB 3.0 ports</b>       | (2) USB 3.0 ports allows you to connect to standard USB devices                     |
| <b>USB Type-C 3.1 port</b> | (1) One high speed USB 3.1 port provides connectivity to new high speed peripherals |

##### Rear Components

|                                   |                                                                                                                |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>AC power adapter port</b>      | Energy-efficient 330W Smart AC adapter features integrated surge protection to help against power fluctuations |
| <b>USB 3.0 ports</b>              | (3) One USB 3.0 port allows you to connect to standard USB devices                                             |
| <b>Video Connectors</b>           | (1) One DisplayPort™ 1.3 port, (1) HDMI 2.0 port, both video ports are active                                  |
| <b>Power Connectors</b>           | (1) One DC-In connector for 330W Smart AC Adapter, (1) DC-Out connector for battery charger.                   |
| <b>Integrated cable lock slot</b> | (1) One integrated cable lock slot supports HP Cable Locks and HP Dual Head Cable Locks.                       |
| <b>Network connectors</b>         | (1) Ethernet port, RJ45; Realtek Gigabit Ethernet 10/100/1000                                                  |

**NOTE 1:** To turn on or off the power for the HP Z VR Backpack G1 Workstation, use the power button located in the PC unit itself. There is no power button on the docking station.

**NOTE 2:** The DC out port can connect to the HP Z VR Backpack Battery Charger with the use of the appropriate power cable.

**NOTE 3:** The USB ports located on the HP Z VR Backpack G1 Workstation can also be used in addition to the available USB ports located on the docking station.

**NOTE 4:** The mini-DisplayPort™ and the HDMI port located on the HP Z VR Backpack G1 Workstation can also be used in addition to the available DisplayPort™ and HDMI port located on the docking station.

**NOTE 5:** HP Cable Locks sold separately.

### Technical Specifications

#### HP Z VR Backpack G1 Dock

|                                       |                                                                                 |
|---------------------------------------|---------------------------------------------------------------------------------|
| <b>Dimensions</b> (H x W x D)         | 333.5x236.4x60.9 mm                                                             |
| <b>Weight</b>                         | 2588g                                                                           |
| <b>Stand-alone power requirements</b> |                                                                                 |
| Normal Operating Voltage              | 19.5V                                                                           |
| Average Operating Power               | AVG 220W and peak power 373W within 1ms (spec is 480W within 400ms)             |
| Max Operating Power                   | 330W                                                                            |
| <b>Temperature</b>                    |                                                                                 |
| Operating                             | 32° to 95° F (0° to 35° C)                                                      |
| Non-operating                         | 4° to 140° F (-20° to 60° C)                                                    |
| <b>Relative humidity</b>              |                                                                                 |
| Operating                             | 0% to 95%, non-condensing                                                       |
| Non-operating                         | 0% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature                      |
| <b>Altitude</b>                       |                                                                                 |
| Operating                             | -50 to 10,000 ft (-15.24 to 3,048 m)                                            |
| Non-operating                         | -50 to 40,000 ft (-15.24 to 12,192 m)                                           |
| <b>Shock</b>                          |                                                                                 |
| Operating                             | 40G, 2 ms, half-sine                                                            |
| Non-operating                         | 240 G, 2 ms, half-sine                                                          |
| <b>Random vibration</b>               |                                                                                 |
| Operating                             | Nominal 1.043 grms                                                              |
| Non-operating                         | Nominal 3.5 grms                                                                |
| <b>Option Kit Contents</b>            | HP Z VR Backpack G1 Dock, AC power cable, 330W A/C power adapter, documentation |

### Technical Specifications

#### POWER

##### HP 330W Smart AC Adapter (for VR PC)

|                                      |                                                                                                                                                                                                                                                                                           |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions</b>                    | 5.9 x 5.9 x 1.48 in (150 x 150 x 37.5 mm)                                                                                                                                                                                                                                                 |
| <b>Weight</b>                        | 2.43lb / 1.1kg nominal                                                                                                                                                                                                                                                                    |
| <b>Input</b>                         | 100 to 240 VAC                                                                                                                                                                                                                                                                            |
|                                      | Input Efficiency 92.6% average at 115Vac and 93.2% average at 230Vac                                                                                                                                                                                                                      |
|                                      | Input frequency range 47 to 63 Hz                                                                                                                                                                                                                                                         |
|                                      | Input AC current 4.2A RMS at 90 VAC, maximum                                                                                                                                                                                                                                              |
| <b>Output</b>                        | Output power 330W nominal                                                                                                                                                                                                                                                                 |
|                                      | DC output 19.5 VDC nominal                                                                                                                                                                                                                                                                |
|                                      | Hold-up time 10 msec at 115 VAC input with maximum load                                                                                                                                                                                                                                   |
|                                      | Output current limit 34A (5ms)                                                                                                                                                                                                                                                            |
|                                      | Over voltage protection Shall not exceed 29 Volts for no longer than 250ms, auto shutdown                                                                                                                                                                                                 |
| <b>Connector</b>                     | 3 pin/grounded, mates with interchangeable cords                                                                                                                                                                                                                                          |
| <b>Environmental Design</b>          | Operating temperature 32° to 95° F (0° to 35° C)                                                                                                                                                                                                                                          |
|                                      | Non-operating (storage) temperature -4° to 185° F (-20° to 85° C)                                                                                                                                                                                                                         |
|                                      | Altitude Up to 16400 ft (5000 m)                                                                                                                                                                                                                                                          |
|                                      | Humidity up to 95%, non-condensing                                                                                                                                                                                                                                                        |
|                                      | Storage Humidity up to 95%, non-condensing                                                                                                                                                                                                                                                |
| <b>EMI and Safety Certifications</b> | CE Mark- full compliance with LVD and EMC directives; Worldwide safety standards- IEC950, EN60950, UL1950, Class 1, SELV; Agency approvals- C-UL-US, NORDICS, DENAN, EN55032 Class B, FCC Class B, CISPR22 Class B, CCIB, NOM-1 NYCE; MTBF- over 200,000 hours at 25°C ambient condition. |

### Technical Specifications

#### **Service and Support**

The HP Z VR Backpack G1 Dock for the HP Z VR Backpack G1 Workstation is supported by a one-year limited warranty. Additional support is available 24 hours a day, seven days a week by phone as well as online support forums.

<http://h20565.www2.hp.com/portal/site/hpsc/public/psi/home/>

**NOTE:** Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.

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### Summary of Changes

| Date of change | Version History |  | Description of change |
|----------------|-----------------|--|-----------------------|
|                | From v1 to v2   |  |                       |

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