Overview

HP Z VR Backpack G1 Workstation Accessories

Models

HP Z VR Backpack Harness	2HY47AA
HP Z VR Backpack Battery Pack	2HY48AA
HP Z VR Backpack Battery Charger	2HY51AA
HP Z VR Backpack HTC Vive Combo Cable	2HY49AA
HP 330W Smart AC Adapter	2YD04AA

Introduction

The accessories described in this QuickSpec are for use with the HP Z VR Backpack G1 Workstation product from HP Inc. The accessories provide convenience for parts replacement and/or spares provisioning for the deployment of the HP Z VR Backpack G1 Workstation in enterprise and/or commercial environments.

Compatibility

Overview

Accessory	Compatible with
HP Z VR Backpack Harness	HP Z VR Backpack G1 Workstation
HP Z VR Backpack Battery Pack	HP Z VR Backpack G1 Workstation
HP Z VR Backpack Battery Charger	HP Z VR Backpack G1 Workstation
HP Z VR Backpack HTC Vive Combo Cable	HP Z VR Backpack G1 Workstation
HP 330W Smart AC Adapter	HP Z VR Backpack G1 Workstation

NOTE 1: The HP Z VR Backpack Battery Charger accessory kit includes the HP 180W Smart A/C Adapter

Technical Specifications

HP Z VR Backpack Harness   **2HY47AA**

Features	
Ergonomic adjustments	Waste strap, chest strap, shoulder straps. All quick pull adjust. Sliding strap collars for strap management.
HP Z VR PC mounting plate	Tough polycarbonate with guides and quick release/lock-in-place latch
Battery holsters	Two attached battery holsters with power attachment cables connecting to the mounted VR PC.
VR HMD management	Includes Fidlock loop type securing mechanism to allow VR HMD parking on the harness. The Fidlock loop is located on the harness shoulder strap.

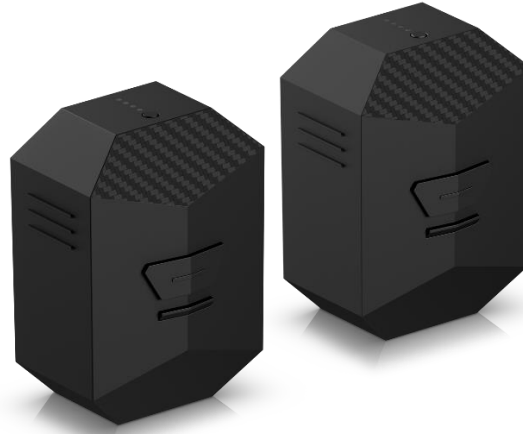| Materials	
Harness fabric	Polyester
HP Z VR PC mounting plate	PC+ABS (Polycarbonate + Acrylonitrile Butadiene Styrene)
Foam/fillings	Polyurethane + EPE (Expanded Polyethylene)
Buckles	POM (Polyoxymethylene)
Back panel	EVA (Ethylene-Vinyl Acetate) foam

Technical Specifications

HP Z VR Backpack Battery Pack   **2HY48AA**

Features	
Indicators	4 White LEDs indicating battery charge level. The LEDs are located at the top of the battery.
Buttons	Top button for activating charge level LEDs. Side button for battery release from HP Z VR Backpack Harness battery holster.
Battery holster catch	Side mounted battery holster catch to secure the battery in the HP Z VR Backpack Harness battery holster.
Specifications	
Construction	8 cell Lithium-Ion
Rating	73Whr, nom 5100 mAh
Voltage	14.4 VDC

Note: The HP Z VR Battery Pack includes two 73WHr batteries.

Technical Specifications

HP Z VR Backpack Battery Charger   **2HY51AA**

*batteries not included

Features	
Connections	19.5V DC in port for HP 180W Smart AC Adapter
Battery Cradle	Two battery charging ports designed to hold the HP Z VR Backpack Battery.
Design	Rubber surface gripping pad located on the bottom of the charging cradle. Localized AC cable for the 180W Smart AC Adapter
Charging rate	80% charge in ~60 minutes. 100% charge in ~125 minutes.

HP 180W Smart AC Adapter Specifications		
Dimensions	7.1 x 3.35 x 1.65 in (180 x 85 x 42mm)	
Weight	1.81 lb (820 g)	
Input	90 to 264 VAC	
	Input Efficiency	89% min at 115 VAC
	Input frequency range	47 to 63 Hz
	Input AC current	2.5 A at 90 VAC, 1.45 A at 180 VAC
Output	Output power	180W nominal

Technical Specifications

	DC output	19.5V nominal
	Hold-up time	>5 msec at 115 VAC input
	Output current limit	Not exceed 240VA for more than 60s, automatic shutdown
	Over voltage protection	29V max for no longer than 250ms, automatic shutdown
Connector	3 pin/grounded, mates with interchangeable cords	
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 16405 ft (0 to 5000 m) with 32° C max ambient temperature at max altitude
	Humidity	20% 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.	

Note: The HP Z VR Battery Charger includes the HP 180W Smart AC Adapter.

Technical Specifications

HP Z VR Backpack HTC Vive Combo Cable   **2HY49AA**

Features	
Cable	Integrated cable optimized in length to connect the HTC Vive HMD to the HP Z VR Backpack. Using this cable requires the removal of the existing long HTC Vive integrated cable from the HTC Vive headset and the installation of the HP Z VR Backpack HTC Vive Combo Cable.
Connectors	HDMI, USB 3.0 Type A, 12V power
Length	1 meter

Technical Specifications

HP 330W Smart AC Adapter   **xxxxxAA**

Features	
Design	Designed to match the HP Z VR Backpack VR engine PC design styling.
AC Cable	Separate localized AC cable included.
Power Source	Supports wide range of AC power source. See specifications below.

Specifications		
Dimensions	5.9 x 5.9 x 1.48 in (150 x 150 x 37.5 mm)	
Weight	2.43lb / 1.1kg nominal	
Input	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
Output	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
Connector	3 pin/grounded, mates with interchangeable cords	
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	Up to 16400 ft (5000 m)
	Humidity	up to 95%, non-condensing
	Storage Humidity	up to 95%, non-condensing

Technical Specifications

EMI and Safety Certifications   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

All the HP Z VR Backpack G1 Workstation Accessories described in this QuickSpec are supported by a one-year limited warranty.

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

Summary of Changes

Date of change	Version History		Description of change
September 12, 2017	From v1 to v2	Changed	corrected minor items elsewhere
		Removed	180W Adapter