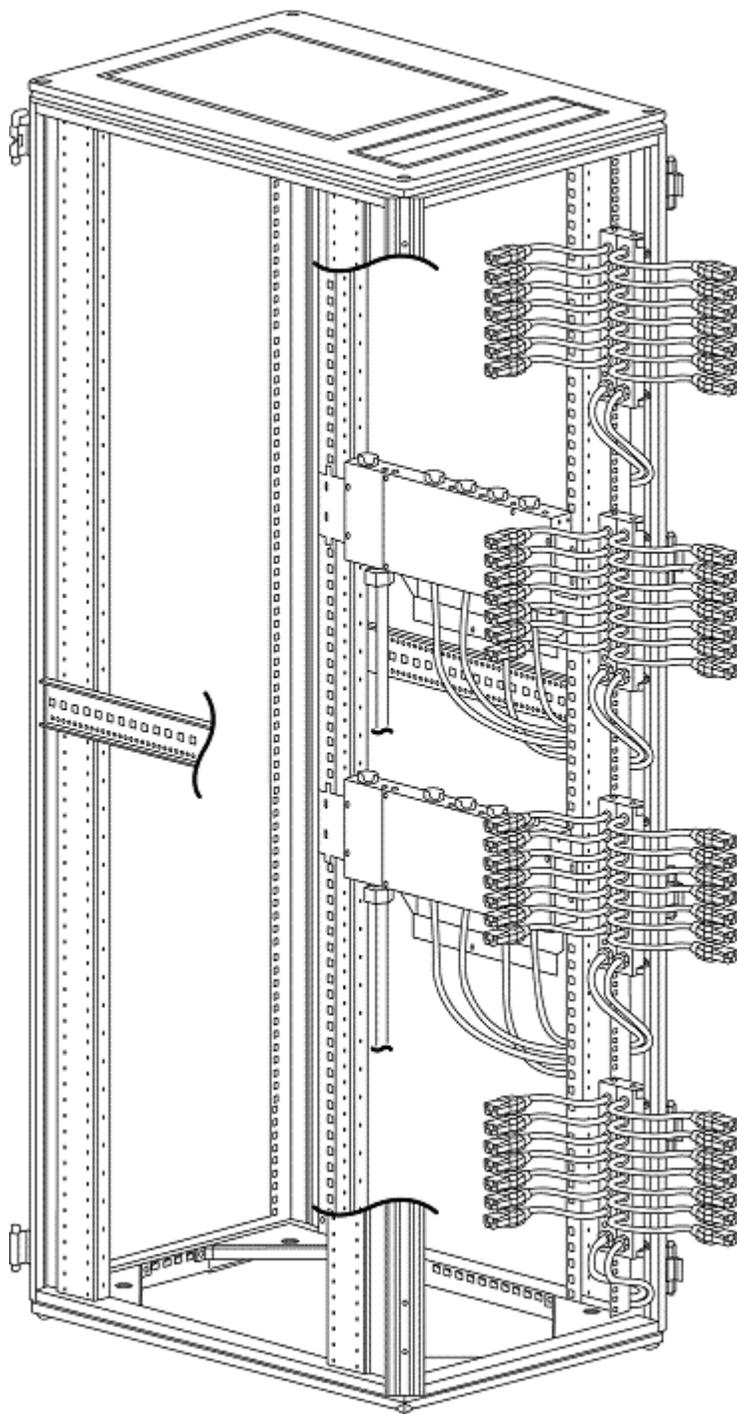


Overview

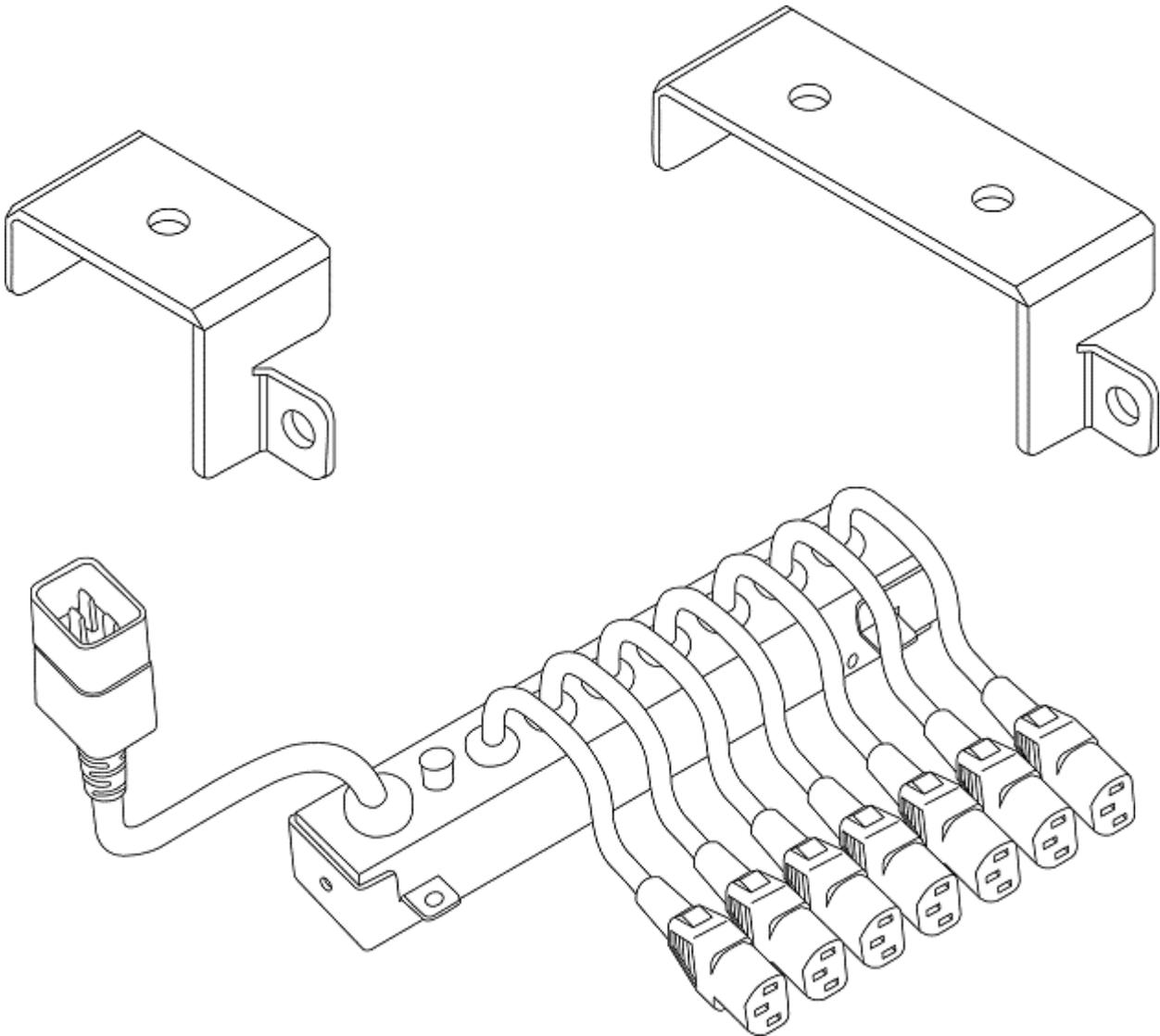
Fixed Cord PDUs and Extension Bars have a unique architecture designed specifically for 1U fixed rail servers (HP ProLiant DL360 , HP ProLiant DL320, HP ProLiant DL140). This new design consists of short, attached cords on the extension bar, resulting in significantly less cable hanging in the back of the rack, improved air flow through the rack and one less point of cable disconnect. Each Fixed Cord Extension Bar connects to the family of PDU cores already available from HP. Two configurations are available: (1) the Fixed Cord Extension Bars contains two extension bars (sticks) and all mounting brackets and hardware, and (2) the Fixed Cord PDU contains four extension bars plus a modular PDU core. Like all existing HP PDUs, the fixed cord PDU also offers you the flexibility to easily mount your units in several different locations within the rack, without having to sacrifice valuable rack U-space.



Overview



Overview



Each end of the stick shall provide an internal 5 mm nut (for attaching external mounting brackets). The brackets shall both fit on the stick with either a configuration of one stick per set of two brackets with the single bracket or with a configuration of two sticks with the double brackets. The brackets are shown above for reference. Actual dimensions can be found in the reference specifications.

Models

HP Fixed Cord Extension Bars

351655-B21

NOTE: Includes two PDU extension bars

Overview

Kit Contents

351655-B21 (sticks only) ship with two (2) Extension Bars
All models ship with:

- 0U/1U Mounting brackets/hardware
- Cord Retention bracket for the Control Unit
- Tie wraps
- Install Card



Standard Features

Feature List

- Short 13" (33cm) fixed cords on the extension bars (7 outlet cords per bar)
- IEC-320, C20 input cord on the extension bars
- Up to 28 total outlet receptacles (with the Fixed Cord PDU four extension bar option kit)
- Zero-U/1U dense rack form factor
- Zero-U mounting brackets allow either one or two (side by side) extension bars installed in multiple rack locations
- Improved cable management, resulting in greater air flow through the rack
- No disconnect device but includes power indicator operating over the voltage range of 100-240 VAC

Unique Modular Design Architecture

This device is intended for use as a system with the POWER DISTRIBUTION CORE or a UPS to distribute electrical power to 1U computing devices installed in the rack. With included appropriate brackets, the stick modules are designed to mount directly to the rack frame of the HP 10000 series rack conveniently providing power outlets for attached loads. The product is optimized for dense fixed-rail installations of 1U servers that are equipped with power inlets located at the left or right.

Small Form Factor and Flexible Mounting Options

The Control Unit is zero-U or 1U rack mountable. The Extension Bars mount directly to the rack-frame or the rack extension unit. With each PDU, you can get up to 28 outlet receptacles in zero-U of rack space.

Up to 28 Outlet Receptacles

The Fixed Cord PDU Kits provide up to 28 outlet receptacles. Meaning customers can plug-in as many as 28 power cords into one Modular PDU. And if they were to mount two such PDU sets, they have a total of 56 outlets. That means the Modular PDUs can support anywhere from a couple of servers in a rack to up to 42 1U servers (IMPORTANT: Provided the total current load does not exceed the maximum allowable current draw of the PDU. To calculate server current draw, please refer the ProLiant Power calculator on ActiveAnswers System Configurator tool. This can be found at: <http://h18001.www1.hp.com/partners/microsoft/utilities/power.html>).

Easy Installation and Easily Accessible Outlets

The installation process is quick and easy. Whether you choose to mount the PDU in zero-U or 1U, all required mounting brackets, accessories, and installation instructions are shipped with the product. Because you have the flexibility to decide how you want to configure your PDU, you can choose to mount the Extension Bars such that the outlet receptacles are easily accessible, allowing you to easily plug-in and plug-out devices.

Simplified Cord Management and Improved Air Flow

When you have the power to choose where to mount the Extension Bars, you have the option of mounting the bars closer to where your specific servers are located; so you don't have to use long power cords running down the entire length of your rack - you can now use the fixed cord extension bars shorter cords plugging-in to a nearby PDU core.

Compatibility

Ideal for use with the HP 10000 (and 9000) Series Racks, the Fixed Cord PDU & Extension Bars are designed exclusively for the fixed rail 1U server (HP ProLiant DL360, HP ProLiant DL320, HP ProLiant DL140) dense rack environment. These PDUs connect directly to the facility input power.

Warranty

HP PDUs are backed by a limited 3-year warranty.



Service and Support

HP Care Pack Information For HP Care Pack (hardware & software) information, as well as orderable part numbers, please refer to the following URL: <http://h18005.www1.hp.com/services/carepaq/index.html>.



Related Options

HP Care Pack Services

HP Install Rack and Rack Options Service

U2871E



Technical Specifications

Individual Stick Dimensions	Description	Value (Inches)	Value (MM)
	Height	8.5 (± 0.03")	215.9 (± 0.762)
	Depth	1.375 (± 0.03")	34.925 (± 0.762)
	Width	1.375 (± 0.03")	34.925 (± 0.762)
	Overall width, including rivet heads	1.49 (-0.1", +0")	37.846 (-0.254, +0)
	Input Cord Length	79 (+1", - 0")	2006.6 (+2.54, - 0)
	Outlet Cord Length	13 (+ 0.5", - 0")	330.2 (+ 12.7, - 0)

Mechanical Dimensions (WxHxD) 351655-B21 (sticks only): 1.375 x 1.375 x 8.5 in (51.3 x 29.7 x 8.7 cm)

Unit Weight 5 lb (2.3 kg)

Shipping Dimensions (WxHxD) 351655-B21 (sticks only): 20.19 x 11.69 x 3.44 in (51.3 x 29.7 x 8.7 cm)

Shipping Weight 10 lb (4.6 kg)

Input Connections Permanently attached input line cord, 79.5 inches (201.9 cm) in length. The wire is dual rated Harmonized/UL wire carrying 16 Amps continuously (unit to be rated at 12A). All cords are configured with a molded on IEC C20 plug.

Output Connections Each stick has seven (7) permanently attached output line cords, 13.25 inches (33.7 cm) in length. The wire is dual rated Harmonized/UL wire carrying 12 Amps continuously. All cords are configured with a molded on IEC C13 receptacle.

Input Disconnect Switch There is no disconnecting switch in the PDU stick.

Nominal Input Voltage (AC) 100-240 AC

Max Rating (total unit) 12A

Max Rating (each outlet) 10A

Frequency (Hz) 50/60 HZ

Operating Temperature 50° to 122° F (10° to 50° C)

Operating Relative Humidity (%) 10 to 90% relative humidity (non-condensing).

Operating Elevation 0 to 10,000 ft (0 to 3048 m)

Storage Temperature -4° to 140° F (-20° to 60° C)

Storage Relative Humidity (%) 5 to 95% relative humidity, 38.7° C maximum wet bulb temperature with no cosmetic damage.

Storage Elevation 0 to 30,000 ft (0 to 9144 m)

Conformance Standards UL, CUL, CE, D



Technical Specifications

Environment-friendly Products and Approach

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to: <http://www.hp.com/go/green>. To recycle your product, please go to: <http://www.hp.com/go/green> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: <http://www.hp.com/go/green>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

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