



Desktop Workstation Rail Mounting Solution

Technical Whitepaper

March 2026



Introduction

Whether it's an IT technician managing a single rack or a team overseeing large-scale data centers, **HP Rack Mounting Solutions** are designed to make deployment and maintenance effortless. Built on the same customer-centric design philosophy that defines HP Z Workstations, these solutions combine precision engineering with superior serviceability and reliability. HP's latest generation of rack kits delivers improved flexibility, durability, and consistency across the Z Workstation portfolio. From ultra-compact systems to high-performance towers and rack-optimized platforms, each mounting solution is engineered to maximize rack density, simplify installation, and ensure seamless in-rack access for upgrades or servicing. With enhanced materials, refined mechanical design, and unified accessory support, HP Rack Mounting Solutions continue to set the standard for efficiency and usability in professional workstation environments.

A Complete Remote Solution

Racked Z by HP Workstations, when combined with HP Anyware* remote access software and the HP Remote System Controller out-of-band management, give a complete and comprehensive centralized computing solution that is an excellent alternative to virtualization. End-users can be equipped with HP Thin Clients or other client devices and use HP Anyware software to access the remote workstations while IT admins can use the HP Remote System Controller to manage those same workstations. With a centralized Workstation solution from HP you have faster access to centralized storage, increased security, and the ability to remotely manage small offices and distributed teams.

With the variety of HP Workstations that can be racked - from the entry **HP Z2 Mini** to the ultra-high end **HP Z8** you can choose the performance that matches your unique needs. And with HP Anyware* remote access software, which provides a high-performance remote user experience, and the HP Remote System Management software, which enables fleet management from a single pane of glass, a robust centralized solution is easy and inexpensive to implement.

**Network access required. HP Anyware software and licensing are available through a 1- or 3-year subscription. Renewal is required after the subscription term. HP Anyware subscriptions are based on the number of concurrent PCoIP connections used (pay for the number of host connections, not the software) with a minimum order quantity of 5. For a limited time, an HP Anyware Professional subscription also includes access and support for ZCentral Remote Boost and ZCentral Connect and is available for purchase through an HP reseller or contact sales at <https://anyware.hp.com/>. ZCentral Remote Boost Sender requires Windows 10 and 11, RHEL/CentOS (7 or 8), or UBUNTU 18.04 or 20.04 LTS operating systems. macOS (10.14 or newer) operating system and ThinPro 7.2 are only supported on the receiver side. ZCentral Connect requires Windows (10 or 11) or Windows Server (2016 or 2019) operating system, Microsoft Active Directory and Intel Active Management Technology for select features. For system requirements and to install HP Remote System Controller and HP Remote System Management, refer to <https://rsm.hp.com/> for more information.*

How HP Rail Rack Kits Fit “U”

Broadcast and IT racks are typically measured in units of “U”, where each “U” is equal to 1.75” (44.45 mm). HP rack kits are designed to optimize the distribution of Workstations in a server rack - providing each unit with sufficient

airflow to maintain ideal operating temperatures and adequate clearances to gain access to the Workstation. Refer to the table below to determine which rack kit is compatible with your Workstation, and how much space is required.

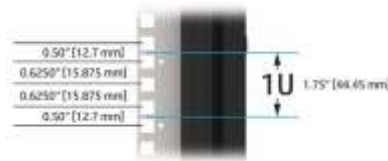


Figure 1. Rack mounting hole positioning in 1U rack space

Rack Mounting for the HP Z2 Mini Workstations

The racking solution for the HP Z2 Mini series has been newly optimized for flexibility, scalability, and ease of deployment across multiple generations.

HP Z2 Mini G9/G1i Workstations

HP Z2 Mini G9 Rail Rack Kit (**6C1U0AA**), which comes fully assembled with all necessary hardware to enable quick install of up to 6 HP Z2 Mini G9 systems. The HP Z2 Mini G1i shares the same chassis design as the Z2 Mini G9, making it fully compatible with the HP Z2 Mini G9 Rail Rack Kit (**6C1U0AA**).

For customers who require enhanced asset tracking and identification, the **A9TM4AA** version offers an additional **IT tag bracket** for labeling or system management purposes.

HP Z2 Mini G9/G1i Rail Rack Kit (**6C1U0AA/A9TM4AA**) includes:

- A rack mount tray with six (6) mounting brackets for the external HP Remote System Controller and external power supply, and six (6) mounting brackets for the Z2 Mini G9/G1i chassis
- A set of slide-rails providing 26 inches of travel, allowing the unit to slide completely out of the rack for service and installation
- (A9TM4AA only) six (6) ID tags for asset identification

The outer rail members feature tool-less front and rear mounting brackets compatible with 9.5 mm square, 7.1 mm round, or #10-32 mounting holes, and are adjustable for racks 24 to 36 inches deep. The inner rail members must first be secured to the rack mount tray; once installed, they can be inserted (stab-in) into the outer rail members.



Figure 2. Z2 Mini G9 Rail Rack Kit (6C1U0AA)

HP Z2 Mini G1a Workstation

The HP Z2 Mini G1a features a unique chassis design and therefore uses a dedicated HP Z2 Mini G1a Rail Rack Kit (**A6QT3AA**), which provides equivalent rack-mount capability tailored for its mechanical and thermal design.

HP Z2 Mini G1a Rail Rack Kit (A6QT3AA) includes:

- A rack mount tray with partition mounting brackets for up to five (5) Z2 Mini G1a chassis
- A set of slide-rails providing 26 inches of travel, allowing the unit to slide completely out of the rack for service and installation
- Five (6) ID tags for asset identification

The outer rail members feature tool-less front and rear mounting brackets compatible with 9.5 mm square, 7.1 mm round, or #10-32 mounting holes, and are adjustable for racks 24 to 36 inches deep. The inner rail members must first be secured to the rack mount tray; once installed, they can be inserted (stab-in) into the outer rail members.

The inner rails of all HP Z2 Mini Rail Rack Kits (6C1U0AA, A9TM4AA and A6QT3AA) support an optional Cable Management Arm (**35Z34AA**), which attaches easily to the rack kit and enables efficient cable routing for all systems and the Remote System Controller (**7K6E4AA**). When deploying the A6QT3AA rack kit for Z2 Mini G1a systems and the HP Z2 Mini Remote System Controllers (**7K6E4AA**), it is recommended to also purchase the HP Rack Remote System Controller Arm Bracket (**8D0Q8AA**) to securely mount the Remote System Controller for each Z2 Mini G1a.

HP Workstation	Rail Rack Kit SKU	WKS per Tray	Full Tray Dimension	Cable Management Arm	Remote System Controller
HP Z2 Mini G9	6C1U0AA				
HP Z2 Mini G1i	A9TM4AA (with ID tags)	Up to 6 units	5U	35Z34AA	7K6E4AA
HP Z2 Mini G1a	A6QT3AA	Up to 5 units	4U		7K6E4AA*

*Requires 8D0Q8AA sold separately

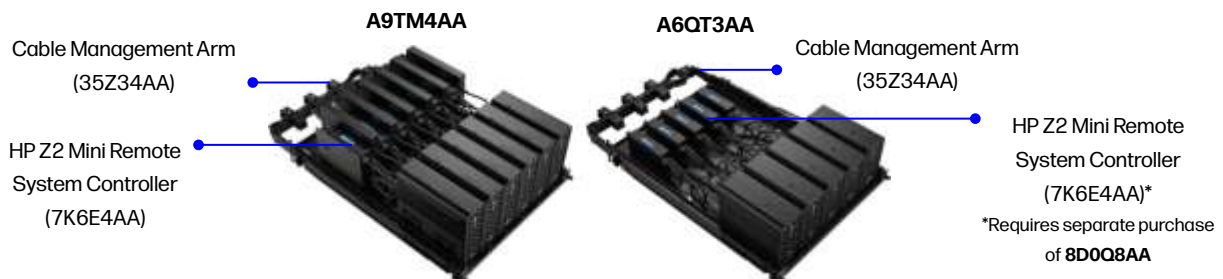


Figure 3. Z2 Mini G1i (A9TM4AA) and G1a (A6QT3AA) with Z2 Mini Remote Controllers (7K6E4AA), and Cable Management Arm (35Z34AA) on the Rack

Rack Mounting for the HP Z2 SFF Workstation

HP Z2 SFF Rail Rack Kit (A9TM3AA) includes:

- A rack mount tray with partition for up to four (4) Z2 SFF chassis
- A set of slide-rails providing 26 inches of travel, allowing the unit to slide completely out of the rack for service and installation

The outer rail members feature tool-less front and rear mounting brackets compatible with 9.5 mm square, 7.1 mm round, or #10-32 mounting holes, and are adjustable for racks 24 to 36 inches deep. The inner rail members must first be secured to the rack mount tray; once installed, they can be inserted (stab-in) into the outer rail members.

The inner rails of the HP Z2 SFF Rail Rack Kits support an optional Cable Management Arm (**35Z34AA**), which easily attaches to the rack kit and provides efficient cable routing for all systems. The Z2 SFF Workstation is compatible with both external (**7K6D7AA**) and internal (**7K6D9AA**) Remote System Controllers. Installation of the external Remote System Controller (**7K6D7AA**) requires a separate purchase of the HP Rack Remote System Controller Arm Bracket (**8D0Q8AA**) if using the Cable Management Arm (**35Z34AA**).

HP Workstation	Rail Rack Kit SKU	WKS per Tray	Full Tray Dimension	Cable Management Arm	Remote System Controller
HP Z2 SFF	A9TM3AA	Up to 4 units	7U	35Z34AA	RSC 7K6D7AA* iRSC 7K6D9AA

*Requires 8D0Q8AA sold separately



Figure 4. Z2 SFF Rail Rack Kit (A9TM3AA)

Rack Mounting For the HP Tower Workstations

HP Z2 Tower G9, Z4 G4/G5, Z6 G5 and Z6 G5 A Workstations

The HP Z2/Z4/Z6 Depth Adjustable Fixed Rail Rack Kit (**2A8Y5AA**) includes a set of rail support brackets that attach directly to the rack and provide a secure mounting platform for the system-tray and Workstation. The rails are adjustable and can accommodate racks that are **24–30 inches deep**. The system-tray is engineered to slide out, enabling tool-free access to the Workstation, for service and maintenance without the need to fully remove it from the rack.



Figure 5. The HP Depth Adjustable Fixed Rail Rack Kit (2A8Y5AA)



Figure 6. The HP Z4 G4 installed in the HP Depth Adjustable Fixed Rail Rack Kit (2A8Y5AA)

HP Z8 G5 and HP Z8 Fury G5 Workstations

The HP Z640/Z840/Z8 Rail Rack Kit (**2FZ77AA**) provides an enterprise-class, adjustable mounting solution designed for performance and ease of maintenance. The kit features fully extendable, three-section ball-bearing rails that allow the workstation to slide completely out of the rack for convenient servicing, whether upgrading memory, replacing drives, or installing option cards. The outer rails install into standard racks without the need for tools, while the inner slide rails and mounting flanges attach securely to the chassis using screws for additional strength and stability. The top plastic trim must be removed to access the concealed top mounting holes during installation.

To support a wide range of rack environments, including those used in compact or broadcast installations, the HP Z640/Z840/Z8 Rail Rack Kit (**2FZ77AA**) is adjustable to accommodate rack depths from 24 to 30 inches and is pre-configured for standard rack dimensions. For customers upgrading to the latest HP Z series platforms, the HP Z8 Rack Rail Upgrade Kit (**2FZ76AA**) includes the required inner slide rails, front flanges, and hardware to enable a seamless transition to the HP Z8 G5, or Z8 Fury G5 without removing existing rack hardware. The HP Z8 workstations also feature both front and rear power buttons, ensuring easy power access and serviceability even in fully racked installations.



Figure 7. The HP Z640/Z840/Z8 Rail Rack Kit (2FZ77AA)



Figure 8. HP Z8 Rack Rail Upgrade Kit (2FZ76AA)



Figure 9. HP Z8 Workstation installed with HP Z640/Z840/Z8 Rail Rack Kit (2FZ77AA), showing access to interior Workstation components

HP Z2 Tower G1i Workstation

The updated Z2 Tower G1i Rail Rack Kit (B11FPAA) comes with a set of slide-rails providing 26 inches of travel, allowing the unit to slide completely out of the rack for service and installation. The inner rails of all HP Z2 Tower G1i Rail Rack Kits support an optional Cable Management Arm (**35Z34AA**), which easily attaches to the rack kit and provides efficient cable routing for all systems.

The outer rail members feature tool-less front and rear mounting brackets compatible with 9.5 mm square, 7.1 mm round, or #10-32 mounting holes, and are adjustable for racks 24 to 36 inches deep. The inner rail members must first be secured to the chassis through a dedicated spacer bracket (as image below), which provides proper alignment and clearance for installation. Once the spacer and inner rails are attached, the assembly can be inserted (“stab-in”) into the outer rail members preinstalled in the rack.



Figure 10. Z2 Tower G1i Rail Rack Kit (B11FPAA)

Remote System Controller for HP Tower Workstations

When deploying the external HP Remote System Controller (7K6D7AA) with the HP Z2 Tower G1i, installation requires the HP Rack Remote System Controller Arm Bracket (8D0Q8AA), which attaches to the HP Z2 Tower G1i Rail Rack Kit (B11FPAA). All HP Tower Workstations (Z2/Z4/Z6/Z8) are compatible with both external (7K6D7AA) and internal (7K6D9AA) Remote System Controllers. Installation of the external Remote System Controller (**7K6D7AA**) requires a separate purchase of the HP Rack Remote System Controller Arm Bracket (**8D0Q8AA**) if using the Cable Management Arm (**35Z34AA**).

HP Workstation	Rail Rack Kit SKU	WKS per Tray	Full Tray Dimension	Cable Management Arm	Remote System Controller
HP Z2 Tower G9					
HP Z4 G5	2A8Y5AA	1 unit	4U	N/A	RSC 7K6D7AA iRSC 7K6D9AA
HP Z6 G5/G5 A					
HP Z2 Tower G1i	B11FPAA			35Z34AA	RSC 7K6D7AA* iRSC 7K6D9AA
HP Z8 G5/Z8 Fury G5	2FZ77AA	1 unit	5U	N/A	RSC 7K6D7AA iRSC 7K6D9AA
HP Z4 G6i	B5CJ0AA	1 unit	4U / 5U (Max Side Panel)	35Z34AA	RSC 7K6D7AA + 8D0Q8AA* or iRSC 7K6D9AA
HP Z8 Fury G6i	B5CJ0AA	1 unit	5U / 6U (Max Side Panel)	35Z34AA	RSC 7K6D7AA + 8D0Q8AA* or iRSC 7K6D9AA

*Requires 8D0Q8AA sold separately

Rack Mounting for the HP Z4 Rack G5 Workstations

Available as a configured-to-order or after-market option, the HP Z4 Rack Rail Rack Kit (**16G60AA**) provides 26 inches of travel, enabling the workstation to slide fully out of the rack for convenient servicing and installation. The outer rail members feature tool-less front and rear mounting brackets compatible with 9.5 mm square, 7.1 mm round, or #10-32 mounting holes, and are adjustable to fit rack depths ranging from 24 to 36 inches.

The inner rail members are first secured to the chassis (or to a rack mount tray for specific configurations) and can then be inserted (“stab-in”) into the outer rails that are preinstalled in the rack.

The sliding rail design also supports an optional Cable Management Arm (35Z34AA), which allows the workstation to extend completely out of the rack without disconnecting power or data cables.

When deploying the HP Remote System Controller with the HP Z4 Rack G5, the HP Rack Remote System Controller Arm Bracket (8D0Q8AA) attaches to the Cable Management Arm (35Z34AA) to securely mount the controller (7K6D7AA). Alternatively, the factory-installed HP Z4 Rack Remote System Controller Support Bracket (8D8X7AV) mounts directly to the chassis, offering the same functionality.

The HP Z4 Rack G5 also includes both front and rear power buttons, providing convenient access when racked.



Figure 11. HP Z4 Rack Rail Rack Kit (16G60AA)



Figure 12. Rack Remote System Controller Arm Bracket(8D0Q8AA)



Figure 13. Z4 Rack G5 assembled with Rail Rack Kit

HP Workstation	Rail Rack Kit SKU	WKS per Tray	Full Tray Dimension	Cable Management Arm	Remote System Controller
HP Z4 Rack G5	16G60AA	1 unit	1U	35Z34AA	RSC 7K6D7AA iRSC 7K6D9AA + 8D0Q8AA* or 8D8X7AV**

*RSC bracket for use with the Cable Management Arm

**Must be configured from factory; used as an alternative to the Cable Management Arm

Rack Mounting for the HP Z4 and Z8 Fury G6i Workstations

The HP Z4 and Z8 Fury G6i Rack Rail Kit (**B5CJ0AA**) delivers an enterprise-grade, fully extendable mounting solution engineered to support the next generation of HP's high-performance tower workstations. Designed for improved serviceability and broader data-center compatibility, this rail system enables seamless integration into a wide range of broadcast, IT, and high-density computing environments.

The kit features a 24–36-inch depth-adjustable rail architecture, accommodating both shallow and deep racks commonly used in production facilities, research labs, and enterprise data centers. The enterprise sliding rail design provides full-extension travel, allowing the workstation to slide completely out of the rack for unobstructed access to memory, storage, GPUs, and PCIe devices—without the need to disconnect system cabling.

HP Z4/Z8 G6i Rack Rail Kit includes:

- A pair of enterprise-grade sliding rails providing full-extension travel for complete out-of-rack serviceability
- Adjustable outer rail members supporting 24–36-inch rack depths
- Toolless front and rear rack mounting brackets compatible with 9.5 mm square, 7.1 mm round, and #10-32 threaded rack holes
- Inner rails engineered for direct chassis attachment using reinforced mounting flanges for optimal stability under load
- Cable-routing provisions compatible with HP's optional Cable Management Arm (**35Z34AA**) * for cleaner, strain-free cable paths during full extension

**Cable Management Arm compatibility follows the same installation principles as existing HP tower workstation rail kits.*

Serviceability and Mechanical Design

The HP Z4/Z8 G6i rail system introduces a reinforced three-section slide mechanism that maintains smooth travel. This design ensures structural rigidity throughout the full extension range, while the stab-in installation method—common across HP's latest rack kits—simplifies deployment and reduces installation time.

To maintain optimal airflow and thermal performance, the rail system preserves full front-to-rear ventilation paths. The workstation remains fully secured during operation through a dual-latch retention system that prevents unintended movement while still allowing quick release for service.

Compatibility

The HP Z4/Z8 G6i Rack Rail Kit is engineered specifically for:

- HP Z4 G6i Workstation
- HP Z8 Fury G6i Workstation

Technical Overview

Feature	Specification
Supported Rack Depth	24-36 inches (adjustable outer rails)
Rail Type	Enterprise sliding rails; full-extension design
Rack Mounting Hole Compatibility	9.5 mm square, 7.1 mm round, #10-32 threaded
Installation	Tool-less front/rear mounting; stab-in inner rails; System shoulder screws
Serviceability	Full-extension out-of-rack access
Compatibility	HP Z4 G6i, HP Z8 Fury G6i
Optional Accessories	Cable Management Arm
Max Side Panel	Adds 1U to the overall system height. For example: Z4 G6i + Max Side Panel occupies five rack units (5U)



Figure 14. Z4/Z8 G6i assembled with Rail Rack Kit



Figure 15. HP Z4/Z8 Fury G6i Rail Rack Kit (B5CJ0AA)

Quick Reference: Available Platforms in 2026

HP Product Number	Description	Z2 Mini G9/G1i	Z2 Mini G1a	Z2 SFF G1i	Z2 SFF G9	Z2 TWR G1i	Z2 TWR G9	Z4 G5	Z6 G5/G5 A	Z8 G5/Fury G5	Z4 Rack G5
35Z34AA	Cable Management Arm	✓	✓	✓		✓					✓
A6QT3AA	HP Z2 G1a Mini Rail Rack Kit		4U								
A9TM4AA	HP Z2 G1i Mini Rail Rack Kit	5U									
6C1U0AA	HP Z2 G9 Mini Rail Rack Kit	5U									
A9TM3AA	HP Z2 SFF Rail Rack Kit			7U							
B11FPAA	HP Z2 TWR G1i Rail Rack Kit					4U					
2A8Y5AA	Z2 Tower/Z4/Z6 Depth Adjustable Fixed Rail Rack Kit						4U	4U	4U		
2FZ77AA	HP Z640/Z840/Z8 Rail Rack Kit									5U	
2FZ76AA	HP Z8 Rack Rail Upgrade Kit									5U	
16G60AA	HP Z4 Rack Rail Rack Kit										1U
7K6E4AA	HP Z2 Mini Remote System Controller	✓	✓*								
7K6D7AA	HP Remote System Controller			✓*	✓	✓*	✓	✓	✓	✓	✓**
7K6D9AA	HP Integrated Remote System Controller			✓	✓	✓	✓	✓	✓	✓	✓

*Requires RSC bracket 8D0Q8AA sold separately

**RSC bracket 8D0Q8AA for use with the Cable Management Arm or 8D8X7AV configured from factory; used as an alternative to the Cable Management Arm

Quick Reference: Available Platforms in 2026

HP Product Number	Description	Z4 G6i	Z8 Fury G6i				
B5CJ0AA	HP Z4/Z8 Fury G6i Rail Rack Kit	4U/5U	5U/6U				
35Z34AA	Cable Management Arm	√	√				
7K6D7AA	HP Remote System Controller	√*	√*				
7K6D9AA	HP Integrated Remote System Controller	√	√				

*Requires RSC bracket 8D0Q8AA sold separately

**RSC bracket 8D0Q8AA for use with the Cable Management Arm or 8D8X7AV configured from factory; used as an alternative to the Cable Management Arm

Quick Reference: Previous Generation

HP Product Number	Description	HP Z2 Mini G3/G4/G5	Z2 TWR G4	Z2 TWR G5/G8	Z440	Z640	Z840	Z4/Z6 G4	Z8 G4	ZCentral 4R
35Z34AA	Cable Management Arm									√
2A8Y5AA	Z2 Mini/Tower/Z4/Z6 Depth Adjustable Fixed Rail Rack Kit	5U		4U				4U		
1A4W4AA	HP Z2 Mini Rack Tray Support Kit	5U*								
3RW67AA	HP Z2 Mini Chassis and ePSU Rack Mount Brackets	5U*								
2FZ77AA	HP Z640/Z840/Z8 Rail Rack Kit					4U	5U		5U	

Desktop Workstation Rail Mounting Solution Technical Whitepaper

2FZ76AA	HP Z8 Rack Rail Upgrade Kit						5U
WH340AA	HP Z2/Z4 Depth Adjustable Fixed Rail Rack Kit	4U	4U				
16G60AA	HP Z4 Rack Rail Rack Kit						1U
7K6D7AA	HP Remote System Controller				√**	√**	√**
7K6D9AA	HP Integrated Remote System Controller				√**	√**	√**

*Required purchase with 2A8Y5AA

** Requires Cable Adapter (7K6E5AA)

*** With Max Side Panel (Z8 Fury G6i: B5CJ2AA/Z4 G6i: BY2F7AA)

Conclusion

As a technology leader, HP continues to drive innovation in rack mounting design, delivering solutions that enhance performance, accessibility, manageability, and sustainability. Each HP Rack Mounting Solution is engineered with the end user in mind, combining precision, serviceability, and long-term reliability. In parallel, HP remains deeply committed to environmental sustainability. The HP Workstation design team goes beyond industry standards, proactively selecting materials and manufacturing methods that minimize environmental and health impacts. By prioritizing recyclability, energy efficiency, and the use of post-consumer recycled materials, HP continues to reduce its carbon footprint while maintaining the quality and durability professionals expect. Together, these efforts reflect HP's vision to create innovative, high-performance, and environmentally responsible solutions—empowering today's workflows while building a more sustainable tomorrow.

Additional Resources

Visit [Z Workstation Computers Whitepapers, Case Studies, and Resources](#) to learn more about the innovation in HP Workstations and the latest technologies offered in the products.



© Copyright 2025 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft and Windows are trademarks of the Microsoft group of companies. All other trademarks are the property of their respective owners.

4AA7-1800ENW March 2026