HP Remote System Controller

Complete Out of Band Remote Workstation Management

This remote out-of-band management solution gives you the power to monitor and manage a workstation fleet without compromising control, all from a single interface. Quick-to-deploy, scalable, and with strong security– now you can provide support and maintenance from anywhere.[1]

*Product image may differ from actual product

Workstation Fleet Management – From Anywhere

Remotely launch a KVM session and perform out-of-band management tasks such as pre-boot access, BIOS updates, and re-imaging.[2] Without compromising control, deploy a fleet of workstations and give power users dedicated access to high performance devices.

One Dashboard. All Access.

Consolidate workstation fleet management into a single dashboard--anywhere.[3] Provide maintenance and support while receiving reports and insights at a glance. Optimize your infrastructure and resolve issues before they affect end users.

Multiple options for Easy Deployment

Deploy an ideal solution with flexible options across hardware and software. Choose an internal or external controller–compatible with Z by HP workstations[4] and other compute devices[5]–and embedded or browser-based public cloud management software.[3]

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Featuring

Redfish®
Based on Redfish® API, HP Remote System Controller can be used with your own fleet management tools, allowing for seamless integration into a hybrid IT environment.

Hardware Alerts and Reports
Increase efficiency and uptime by receiving hardware alerts and consolidated reports across devices directly to your admin interface. With early diagnosis you can develop insights and reduce downtime by quickly acting on critical failures.[6,7]

HP Remote System Management
Manage your entire fleet of devices from a single interface. With cloud-based software, access hardware from any network without having to use a VPN. Access to HP Remote System Management is included with purchase of the HP Remote System Controller.

Embedded Software
With one-to-one access, manage a single hardware device and launch a KVM session to get system information such as the model number and BIOS version. Access hardware from a wide variety of network connections without having to modify network configurations or use a VPN.[1,8]

Two Form Factors
Get the flexibility you need with two options to configure the HP Remote System Controller. Choose between the internal or external form factor to best fit your new or existing compute devices.[9]

Advantage with Z by HP Workstations
Increase manageability capabilities by pairing the HP Remote System Controller with Z by HP Workstations. Get additional features such as direct communication with the BIOS, control of the power button signal, and hardware alerts.[10]

Remote Power Control
Manage centralized hardware remotely with direct control of the power button signal, giving you the ability to power on, off, or reboot individual workstations or pools of systems from any state.[11]

Bare Metal Imaging
Deploy workstations without any pre-configurations, and with HP Remote System Controller, completely image, configure, or re-image the operating system and software from any location.[1]

Virtual Media
With onboard storage and the ability to save encrypted read-only files, the HP Remote System Controller allows for OS installation images and software to be installed on workstations remotely.

Security You Need. Control You Want.
Security is your top priority, so we are designing the hardware and software based on strong security industry standards, completing extensive testing, third-party reviews, and certifications to ensure maximum security.

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Specifications

Product number	7K6D7AA
Supported platforms	As a Universal KVM, all platforms are intended to be compatible if they can interface with both the DisplayPort™ input and USB input ports. Power Control, Host Power Status, and Host Power are available with the HP Z4/Z6/Z8 G4 and ZCentral 4R platforms when using the HP Z4/Z6/Z8 G4/ZCentral 4R Remote System Controller Cable Adapter (7K6E5AA) and the Main Board Adapter (included in 7K6D7AA or sold separately as 7K6D8AA). The Z2 G9 and Z4/Z6/Z8 G5 platforms and later all support full compatibility using the kit 7K6D7AA for the HP Remote System Controller. A PCIe version of this product is available called the HP Integrated Remote System Controller (7K6D9AA).
Supported platforms note	This is the primary kit for use with the Z2 Small Form Factor G9, Z2 Tower G9, Z2 Small Form Factor G1i, Z2 Tower G1i, Z4 Rack G5, Z4 G5, Z6 G5, Z6A G5, Z8 G5 and Z8 Fury G5. For use with the Z4 G4, Z6 G4, Z8 G4 or ZCentral 4R, 7K6E5AA is required in addition to this kit. For use with the Z2 Mini G9, purchase 7K6E4AA instead. For use with non-Z compute devices, purchase 7K7N2AA instead.
Port and connectors	Left: 1 RJ-45 1 Z Desktop Power and Signal Interface 1 Mini DisplayPort™ 1 USB Type-A 5Gbps signaling rate Right: 1 Standard Kensington lock slot 1 12 V DC power jack 1 RJ-45
Port and Connectors note	The RJ-45 port on the left side is a 1 GbE port intended for network pass through; An external power adapter is only required for use with non-Z desktop workstation systems. Z desktop workstations receive power through the Z Desktop Power and Signal Interface port
Manageability features	Remote KVM Power control Fleet management Bare Metal imaging Hardware alerts and diagnostics System information Hardware inventory[1]
Operating system software	Ubuntu 18.04 LTS[2]
Security	Discrete TPM 2.0 chip; Secure Boot requires HP-Signed Images; Network traffic encrypted with TLS 1.2; Network traffic requires X-Auth-Token exchanges
Product color	Jet black
Warranty	HP standard one-year limited warranty
What's in the box	HP Remote System Controller; Main Board Adapter with DB9 adapter bracket; USB Type-A to Type-A cable (1 m); DisplayPort™ to Mini DisplayPort™ cable (1 m); CAT 5E Ethernet cable (1 m); External RSC Power and Signal cable (1 m); Internal RSC Power and Signal cable (380 mm); Quick Start Guide[3]
Country of origin	China; Singapore
Package dimensions (W x D x H)	419 x 187 x 76.2 mm
Package weight	0.77 kg

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Footnotes

Messaging Footnotes

[1] Internet access required.
[2] Internet access required. Automation of tasks available with select Z desktop workstations.
[3] Internet access required. Fleet management requires HP Remote System Management.
[4] HP Integrated Remote System Controller not compatible with Z2 Mini platforms and not recommended for non-Z devices.
[5] HP service and support not available for non-Z devices.
[6] Full suite of hardware alerts available with select Z desktop workstations.
[7] HP Remote System Management required to view consolidated reports from all devices paired with HP Remote System Controller or HP Integrated Remote System Controller.
[8] Viewing system information is only available when paired with select Z desktop workstations.
[9] HP Integrated Remote System Controller not compatible with Z2 Mini platforms and not recommended for non-Z devices.
[10] Based on HP's unique and comprehensive security capabilities at no additional cost among desktop workstation vendors as of January 2017 on HP Desktop Workstations with 7th Gen and higher Intel® Processors.
[11] Remote Power Control feature only available when HP Remote System Controller or HP Integrated Remote System Controller is paired with select Z desktop workstations.

Technical Specifications Footnotes

[1] Manageability features are dependent upon host system. The full set of manageability features is only available with HP Z2 G9 and beyond and HP Z4/6/8 G5 and beyond. For legacy Z workstations and non-Z compute devices, the feature set is limited. Fleet management is supported through the HP Remote System Management public cloud software, which is a licensed product.
[2] The latest security updates for Ubuntu 18.04 will be applied as they become available.
[3] The Internal USB cable is only supported on the Z4/Z6/Z8 G4 and G5 platforms. The header is leveraged from the Media Card Reader interface, so when the Media Card Reader is configured in the host, the external USB cable is required.

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