

# HP Integrated 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.<sup>1</sup>



\*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.<sup>2</sup> 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.<sup>3</sup> 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<sup>4</sup> and other compute devices<sup>5</sup>—and embedded or browser-based public cloud management software.<sup>3</sup>



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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.<sup>6,7</sup>

### 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.<sup>3,8</sup>

### 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.<sup>1,8</sup>

### 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.<sup>9</sup>

### 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.<sup>10</sup>

### 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.<sup>11</sup>

### 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.<sup>1</sup>

### 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.

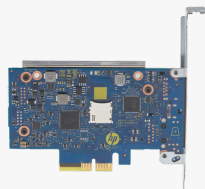
### Security You Need. Control You Want.

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



|                                       |   |
|---------------------------------------|---|
| <b>Product number</b>                 | 7K6D9AA   |
| <b>Supported platforms</b>            | Compatible with the Engage Flex Pro G2, Engage Flex Pro-C G2, Z2 Small Form Factor G9, Z2 Tower G9 Z2 Small Form Factor G11, Z2 Tower G1i, Z4 Rack G5, and Z4/Z6/Z6A/Z8 G5 platforms. When using the HP Integrated Remote System Controller with the ZCentral 4R and Z4/Z6/Z8 G4 platforms, the HP Z4/Z6/Z8 G4/ZCentral 4R Remote System Controller Cable Adapter (7K6E5AA) is required to supply auxiliary power to the HP Integrated Remote System Controller, as well as power control, and host power status. Not compatible with Z2 Mini G9 due to size. |
| <b>Supported platforms note</b>       | An external version of this product is available called HP Remote System Controller (7K6D7AA). The latest BIOS update is required so the host provides power to the HP Integrated Remote System Controller in all host power states. By installing the HP Z4/Z6/Z8 G4/ZCentral 4R Remote System Controller Cable Adapter, power will be stolen from the front USB ports on the host. This was necessary to be able to power the Remote System Controllers in all power states, and it leaves the front USB ports unpowered and unusable.                      |
| <b>Port and connectors</b>            | External:<br>1 USB Type-A 5Gbps signaling rate<br>1 Mini DisplayPort™<br>RJ-45<br>Internal:<br>1 Z Desktop Power and Signal Interface<br>1 USB 5Gbps signaling rate   |
| <b>Manageability features</b>         | Remote KVM<br>Power control<br>Fleet management<br>Bare Metal imaging<br>Hardware alerts and diagnostics<br>System information<br>Hardware inventory <sup>1</sup>   |
| <b>Operating system software</b>      | Ubuntu 18.04 LTS <sup>2</sup>   |
| <b>Security</b>                       | 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   |
| <b>Warranty</b>                       | HP standard one-year limited warranty   |
| <b>What's in the box</b>              | HP Integrated Remote System Controller with PCIe Half-Height Bracket; DisplayPort™ to Mini DisplayPort™ cable; RSC Power and Signal; Main Board Adapter cable (380 mm); Internal USB3 cable; 1 external USB Type-A to type-A cable; Quick Start Guide <sup>3</sup>  |
| <b>Country of origin</b>              | China   |
| <b>Dimensions (W x D x H)</b>         | 112 x 72 x 20 mm (HP Anyware Integrated Remote System Controller only; not including PCIe Bracket or cables)  |
| <b>Weight</b>                         | 126.4 g   |
| <b>Package dimensions (W x D x H)</b> | 184 x 232 x 57 mm   |
| <b>Operating temperature range</b>    |   |

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## Footnotes

### Messaging Footnotes

<sup>1</sup> Internet access required.

<sup>2</sup> Internet access required. Automation of tasks available with select Z desktop workstations.

<sup>3</sup> Internet access required. Fleet management requires HP Remote System Management.

<sup>4</sup> HP Integrated Remote System Controller not compatible with Z2 Mini platforms and not recommended for non-Z devices.

<sup>5</sup> HP service and support not available for non-Z devices.

<sup>6</sup> Full suite of hardware alerts available with select Z desktop workstations.

<sup>7</sup> HP Remote System Management required to view consolidated reports from all devices paired with HP Remote System Controller or HP Integrated Remote System Controller.

<sup>8</sup> Viewing system information is only available when paired with select Z desktop workstations.

<sup>9</sup> HP Integrated Remote System Controller not compatible with Z2 Mini platforms and not recommended for non-Z devices.

<sup>10</sup> 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.

<sup>11</sup> 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

<sup>1</sup> 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.

<sup>2</sup> The latest security updates for Ubuntu 18.04 will be applied as they become available.

<sup>3</sup> 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.

