

### Summary

HP Remote Graphics Software (RGS) is a high-performance remote desktop connection protocol that delivers an exceptional remote desktop user experience for rich user environments that include video, web flash animations and graphics intensive applications. All applications run natively on the remote system and take full advantage of the compute and hardware graphics resources of the sending system.

HP RGS captures the desktop of the remote system and transmits it over a standard network to a window on a local client using advanced image compression technology specifically designed for text, digital imagery and high frame rate video applications. A local hardware keyboard and mouse is supported as well as USB device redirection to provide an interactive, high performance, multi-display desktop experience.

HP RGS supports a broad range of client virtualization technologies including multi-user virtual desktop infrastructure (VDI) solutions, blade workstations, desktop PCs, mobile PCs and workstations.

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### At a glance

#### Rich remote desktop user experience

- HD video, flash and multi-media content with synchronized audio (all formats supported)
- Hardware graphics accelerated applications (2D, 3D, volumetric)

#### Any location access over LAN, WAN or VPN

- Free receiver supported on any Windows 7, Windows Vista® or Microsoft® Windows® XP desktop, HP thin clients, and HP Linux workstations
- Single sign-on to a single or multiple remote desktop sessions
- Follow-me roaming (auto-disconnect and re-direction of video, keyboard and mouse to new access location)
- Remote desktop screen blanking, input locking

#### Remote USB

- Enables USB devices to be virtually attached to remote system with local control and access
- Broad device support (keyboards, keypads, 3D input devices, PDAs, printers, scanners, media/storage, microphone and audio headsets, webcam, security cards, touch screen, cell phones, converters and hubs)
- USB Access control

#### HP image compression technology optimized for low network bandwidth utilization

- Visually loss-less compression optimized for text, video and digital imagery applications
- Available JPEG-LS codec for use when lossless compression is required
- Variable rate compression to optimize network bandwidth
- Pixel changes only (bandwidth does not grow with data size or graphics command protocol complexity)

#### Application independent

- Non-intrusive, application-transparent architecture requires no modifications to application
- Supports all multi-media CODECS with high performance and low network bandwidth



### At a glance (cont.)

#### Real-time collaboration (1:1 or 1:many)

- Share full desktop including interactive 3D and media rich applications
- View only or full access collaboration connections
- Multi-user keyboard and mouse input with collaboration control indicator

#### Multi-display, multi-session desktop support

- Single glass access to Microsoft Windows and Linux desktops with window session focus for keyboard and mouse as well as desktop audio sessions
- Cut, copy, paste support between Windows and Linux senders and/or receiver applications
- 1 – N displays with auto resolution and display matching

#### Secure remote desktop access and connections

- Smartcard reader support in Windows Vista using Windows SSPI
- AES 256-bit communication encryption using Open SSL implementation of anonymous Diffie-Hellman (ADH) cipher suite
- Connections authenticated by Microsoft password authentication protocol NTLM and Kerberos
- Linux to Microsoft Windows connection authentication via PAM
- Single primary user enforcement
- Real-time logging of sender connect and disconnect events
- Client access device logging
- Auto-screen lock or auto-logout on session disconnect
- Sender screen blanking
- System administrator control for RGS user connections and properties, including USB access control, cut, copy, paste, visual collaboration warning

#### Broad broker support

- HP Session Allocation Manager (SAM)
- VMware View (Microsoft Windows receiver platforms only)
- Quest vWorkspace
- Leostream
- VDIworks

#### Broad client virtualization hardware support

- VMware VDI server hardware
- Blade Workstations
- Desktop and Notebook PCs
- Personal and Mobile Workstations



### RGS Platform Support Matrices

Receiver support matrix	Windows XPe/WES	Windows XP SP2, SP3 32-bit, x64	Windows Vista Business and Enterprise 32-bit, 64-bit SP 1 or later	Windows 7	Embedded Linux	RHEL V4 (update 5 or later) V5 (update 2 or later) 32-bit, 64-bit
Desktops						
Personal workstations		•	•	•		HP xw and z series
Mobile workstations		•	•	•		
Desktop PCs		•	•	•		
Notebook PCs		•	•	•		
Performance thin clients						
HP gt7725					HP ThinPro GT	
HP gt7720	WES					
HP dc73 Blade WS Client					HP Blade WS Client	
HP dc72 Blade WS Client					HP Blade WS Client	
Mobile thin clients (may not be suitable for 720p and higher multi-media content)						
HP 4410t	WES					
HP 6720t	XPe					
HP 2533t	XPe					
Flexible and mainstream thin clients (may not be suitable for 720p and higher multi-media content)						
HP t5745					HP ThinPro	
HP t5740	WES					
HP t5730w	WES					
HP t5630w	WES					
HP t5730	XPe					
HP t5630	XPe					
HP t5720	XPe					
HP t5545					HP ThinPro	

Desktop receiver systems require 1.5 GHz or greater processor with SSE2 multi-media instruction extension, 32-bit color display adapter and 512 MB minimum RAM.



Sender support matrix	Windows XP SP1, SP2, SP3 32-bit, x64	Windows Vista Business and Enterprise 32-bit, 64-bit	Windows 7	RHEL V4 (update 5 or later) V5 (update 2 or later) 64-bit
Blade clients				
HP Blade Workstations	•	•	ws460c	HP only
HP Blade PCs	32-bit only	32-bit, non-aero only	•	
VDI servers	32-bit hosted desktop	32-bit, non-aero only	32-bit, non-aero only	
Desktops				
Personal workstations	•	•	•	HP only
Mobile workstations	•	•	•	
Desktop PCs	•	•	•	
Notebook PCs.	•	•	•	

Desktop sender systems require 1.5 GHz or greater processor with SSE2 multi-media instruction extension, 32-bit color display adapter and 512 MB minimum RAM. Supported VDI Client Virtualization Software: VMware ESX 3.01, 3.02, 3.02 Update 1, ESX 3.03, ESX 3.5 Update 1, 2, 3, 4, and ESX 4.0

### HP Web Sites

- RGS: <http://www.hp.com/go/rgs>
    - RGS software trial
    - RGS software download site
    - RGS data sheet and white papers
    - RGS User Guide, Licensing document and RGS USB device support list  
[http://www.hp.com/support/rgs\\_manuals](http://www.hp.com/support/rgs_manuals)
  - HP Session Allocation manager: <http://www.hp.com/go/sam>
    - HP Session Allocation Manager datasheet and QuickSpecs
    - HP Session Allocation Manager software download
  - HP Blade Workstations: <http://www.hp.com/go/bladeworkstation>
    - HP Blade Workstation overview, data sheets and white papers
    - Market segment data information
    - HP Blade Workstation solution components
  - HP VDI Blade Servers: <http://www.hp.com/go/vdi>
    - HP VDI overview, data sheets and white papers
    - HP VDI solution components
    - HP VDI Services
  - HP Thin Clients: <http://www.hp.com/go/thinclient>
    - HP Thin Client data sheets and white papers
  - VMware from HP: <http://www.hp.com/go/vmware>
    - HP & VMware white papers and planning tools
    - VMware online sizing tool
    - HP & VMware news and information
    - VMware online sizing tool
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### Ordering Information – North America, EMEA (Electronic Delivery)

**Note:** These products require an end-user e-mail address identified on the order for delivery. Customer is responsible for creating back-up CD and hardcopy LTU if needed.

HP RGS VDI	<b>HP RGS VDI E-LTU/E-Media</b> This product includes an electronic RGS VDI License Entitlement Certificate. A separate RGS license is required for each simultaneous virtual machine session or HP Blade PC using RGS.	AW681AAE
	<b>HP RGS VDI 1 Year Software Assurance</b> This product updates an existing RGS VDI license to be able to run any RGS version released before the expiration of the software assurance period on a supported VDI or HP Blade PC platform. A valid license is a pre-requisite for this product. The software assurance product must be ordered within 120 days of the original RGS VDI license purchase date or expiration date of RGS VDI Software Assurance.	AW682AA
HP RGS Desktop	<b>HP RGS Desktop E-LTU/E-Media</b> This product includes an electronic RGS Desktop License Entitlement Certificate. An RGS Desktop license is required for each RGS sender system.	AW684AAE
	<b>HP RGS Desktop 1 Year Software Assurance</b> This product updates an existing RGS Desktop license to be able to run any RGS version released before the expiration of the software assurance period on any supported RGS platform. A valid license is a pre-requisite for this product. The software assurance product must be ordered within 120 days of the original RGS Desktop license purchase date or expiration date of RGS Desktop Software Assurance.	AW685AA
HP RGS Desktop Multi-user	<b>HP RGS Desktop Multi-user E-LTU/E-Media</b> This product includes an electronic RGS floating counted license that allows RGS to be installed on all systems and then checked out on a concurrent use basis up to the number of licenses purchased.	TA844AAE
	<b>HP RGS Desktop Multi-User 1 Year Software Assurance</b> This product updates an existing RGS Desktop Multi-user license to be able to run any RGS version released before the expiration of the software assurance period on any supported RGS platform. A valid license is a pre-requisite for this product. The software assurance product must be ordered within 120 days of the original RGS Desktop Multi-user license purchase date or expiration date of RGS Desktop Multi-user Software Assurance.	TA845AA



Ordering Information for Latin America and APJ Region (Physical Delivery: 1 certificate and CD-ROM per N licenses ordered)

HP RGS VDI	<b>HP RGS VDI License Entitlement Certificate and CD-ROM Media</b> This product includes an RGS VDI License Entitlement Certificate. A separate RGS license is required for each simultaneous virtual machine session or HP Blade Workstation using RGS.	AW681AA
	<b>HP RGS VDI 1 Year Software Assurance</b> This product updates an existing RGS VDI license to be able to run any RGS version released before the expiration of the software assurance period on a supported VDI or HP Blade PC platform. A valid license is a pre-requisite for this product. The software assurance product must be ordered within 120 days of the original RGS VDI license purchase date or expiration date of RGS VDI Software Assurance.	AW682AA
HP RGS Desktop	<b>HP RGS Desktop License Entitlement Certificate and CD-ROM Media</b> This product includes an RGS Desktop License Entitlement Certificate. An RGS Desktop license is required for each RGS Sender system..	AW684AA
	<b>HP RGS Desktop 1 Year Software Assurance</b> This product updates an existing RGS Desktop license to be able to run any RGS version released before the expiration of the software assurance period on any supported RGS platform. A valid license is a pre-requisite for this product. The software assurance product must be ordered within 120 days of the original RGS Desktop license purchase date or expiration date of RGS Desktop Software Assurance.	AW685AA
HP RGS Desktop Multi-user	<b>HP RGS Desktop Multi-user License Entitlement Certificate and CD-ROM Media</b> This product includes an RGS floating counted license that allows RGS to be installed on all systems and then checked out on a concurrent use basis up to the number of licenses purchased.	TA844AA
	<b>HP RGS Desktop Multi-User 1 Year Software Assurance</b> This product updates an existing RGS Desktop Multi-user license to be able to run any RGS version released before the expiration of the software assurance period on any supported RGS platform. A valid license is a pre-requisite for this product. The software assurance product must be ordered within 120 days of the original RGS Desktop Multi-user license purchase date or expiration date of RGS Desktop Multi-user Software Assurance.	TA845AA



### Ordering Information for Japan (Physical Delivery: 1 certificate and CD-ROM for each license ordered)

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HP RGS VDI	<b>HP RGS VDI License Entitlement Certificate and CD-ROM Media Japan Only</b> This product includes an RGS VDI License Entitlement Certificate. A separate RGS license is required for each simultaneous virtual machine session or HP Blade PC using RGS.	AW683AA
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	<b>RGS VDI 1 Year Software Assurance Japan only</b> This product updates an existing RGS VDI license to be able to run any RGS version released before the expiration of the software assurance period on a supported VDI or HP Blade PC platform. A valid license is a pre-requisite for this product. The software assurance product must be ordered within 120 days of the original RGS VDI license purchase date or expiration date of RGS VDI Software Assurance.	AW691AA
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HP RGS Desktop	<b>HP RGS Desktop LTU and CD-ROM Media Japan Only</b> This product includes an RGS Desktop License Entitlement Certificate. An RGS Desktop license is required for each RGS Sender system.	AW686AA
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	<b>RGS Desktop 1 Yr Software Assurance Japan Only</b> This product updates an existing RGS Desktop license to be able to run any RGS version released before the expiration of the software assurance period on any supported RGS platform. A valid license is a pre-requisite for this product. The software assurance product must be ordered within 120 days of the original RGS Desktop license purchase date or expiration date of RGS Desktop Software Assurance.	AW692AA
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HP RGS Desktop	<b>HP RGS Desktop Multi-user LTU and CD-ROM Media Japan Only</b> This product includes an RGS floating counted license that allows RGS to be installed on all systems and then checked out on a concurrent use basis up to the number of licenses purchased.	AW693AA
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Multi-user

	<b>RGS Desktop Multi-User 1 Yr Software Assurance Japan Only</b> This product updates an existing RGS Multi-user Desktop license to be able to run any RGS version released within the timeframe of the Software Assurance period on any supported RGS platform. A valid license is a pre-requisite for this product. The software assurance product must be ordered within 120 days of the original RGS Multi-user Desktop license purchase date or expiration date of RGS Multi-user Desktop Software Assurance.	AW694AA
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### Service and Support Offerings

RGS VDI	HP 1-year 9x5 RGS and SAM software technical support	UJ009E
	HP 1-year 9x5 3-incidents RGS software technical support	UE345E
	HP 1-year 24x7 RGS and SAM software technical support	UJ010E
	HP 3-year 9x5 RGS and SAM software technical support	UJ011E
	HP 3-year 24x7 RGS and SAM software technical support	UJ012E
HP RGS Desktop	HP 1-year 9x5 – Unlimited incident phone-in RGS sender technical support	UC266E
	HP 1-year 24x7 – Unlimited incident phone-in RGS sender technical support	UC265E
	HP 1-year 9x5 – Unlimited incident phone-in RGS receiver technical support	UC270E
	HP 1-year 24x7 – Unlimited incident phone-in RGS receiver technical support	UC269E

**Note:** HP Care Packs for HP RGS provides phone-in software technical support only. HP RGS Software Assurance provides software update support (see previous section.)

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