

Brochure

HP Thin Clients and the Windows platform



Industry-leading solutions





Customer consideration for thin clients has increasingly grown across education, finance, healthcare and retail industries due to improvements in technology and the industry adoption of Virtual Desktop Infrastructure (VDI), Desktop-as-a-Service, and cloud computing solutions. Thin clients empower businesses of all sizes to capitalize on each one of these technologies.

Thin clients also deliver clear cost, management, and security advantages. By relying on servers or the cloud to handle all processing – thin clients require less CPU and RAM, little to no storage, and less energy than typical desktop PCs. Centralized images help simplify management while data locked in the datacenter is more secure than data stored on a local hard drive.

HP and Microsoft—Leading the thin client market

The Windows Embedded operating system, part of the Windows family, is the #1 operating system in the thin client market. HP has maintained the #1 worldwide market leadership position for Windows-based thin client shipments for the last seven years.¹ HP's extensive portfolio of Windows-based thin client solutions come in a variety of form factors, including desktops, notebooks and tablets, and offer a wide range of configurations for processors, graphics, connectivity and peripherals. HP Thin Clients running Windows Embedded deliver superb performance, extensive peripheral support, advanced security and easy management that makes business integration seamless to the customer.



Connect to the cloud

Taking advantage of the cloud is easy with Windows Embedded-based HP Thin Clients. Install Microsoft Azure RemoteApp on your Windows Embedded HP Thin Client, and take advantage of integrated storage, scalability and global reach services without the hassles of complex on-premises configurations.² Get quick and easy access to your cloud-hosted Office applications with Microsoft Office 365.³ Get business-class email with Outlook Web App, and IM, voice, and video calls with Skype for Business.⁴ With Windows and HP, you get the flexibility to define a solution that meets your needs.



Use familiar, reliable, and trusted platforms

Familiar, reliable, and trusted hardware and software platforms are critical to businesses big and small. HP Thin Clients undergo over 115,000 hours of testing to help ensure high quality at every corner.⁵ Windows offers a consistent application platform, operating system configuration, and deployment approach across all Windows systems, including thin clients, desktops, and notebooks. When choosing HP Thin Clients running Windows Embedded, you get a consistent experience for both end users and IT.

End users get a familiar, intuitive, and interactive device experience through user-friendly applications. Administrators can easily maintain their install base with standard Windows Server and System Center, or HP Device Manager.



Plethora of peripherals

Windows-based thin clients use the same hardware and driver ecosystem as the Windows desktop operating system. Most hardware and peripheral providers have feature-rich driver support for Windows, which makes it easy to find drivers for typical thin client peripherals, like printers, scanners, card readers, and headsets.⁶ Thin Clients running Windows Embedded make it easier than ever to keep your team connected.



Customize the user experience

HP Thin Clients running Windows Embedded offer an assortment of experiences for end users and IT administrators alike. End users can easily access a browser-based cloud or traditional Virtual Desktop Infrastructure (VDI) environment – no training required.

HP Easy Shell⁷ allows administrators to control, customize, and protect the Windows user experience with intuitive and easy-to-deploy settings. Administrators can also customize user experiences for cloud, VDI, single-purpose and multi-purpose app environments.



Broaden Unified Communications

Windows provides support for multiple Unified Communications solutions, including Skype for Business (Lync).⁴ The Skype for Business VDI plug-in runs locally on the HP Thin Client and pairs with the Lync client in the virtual machine. This plug-in delivers a high-quality, direct audio/video media stream between thin clients, rather than requiring the stream to flow through the virtual desktop. This results in high-fidelity communication in the VDI environment.



Secure your system

While thin clients are inherently more secure than PCs, they may still need additional protection. Together, HP and Microsoft offer a full complement of hardware, operating system, and software security features. HP Thin Clients support TPM standards for secure crypto processors, are designed to NIST guidelines for locking down the BIOS, and support fiber NICs for untappable network connections and various smart card, single sign-on, and dual-factor authentication solutions.⁸ With HP Easy Shell⁷ tools, you can fully customize user access to websites, applications, browsers, task manager, and control panels.

Microsoft has long taken a proactive approach to rooting out vulnerabilities. Windows provides a locked down operating system through BitLocker, AppLocker and write filters with continual delivery of security patches as needed to address new vulnerabilities.

Take advantage of high-performance protocols

HP Thin Clients running Windows support today's most widely used virtualization protocol technologies. These include the Microsoft RDP/RFX virtualization technology as well as non-Microsoft virtualization solutions, like Citrix[®] HDX, VMware[®] View, and HP Remote Graphics Software. HP also works directly with vendors to ensure optimal performance and certifications.

Add value with HP software

A rich software ecosystem improves the success of thin client deployments. HP provides a number of revolutionary software solutions including:

- HP Device Manager: Easily deploy, manage, and maintain your install base on-site or remotely
- HP Velocity: Improve wired and Wi-Fi network performance
- HP Easy Shell: Customize an intuitive interface and level of protection to fit your needs

Harness the power of HP and Microsoft thin client solutions

Together, HP and Microsoft deliver industry-leading thin client solutions with familiar user and administrative interfaces, enhanced security, innovative and value-added software, and the most extensive support for peripherals and virtualization protocols. HP Thin Client solutions running Windows also enable you to connect seamlessly to your current infrastructure, so you can exploit your data and gain insights that help you improve business results.

More information about how HP Thin Client solutions running Windows can help you simplify your IT operations, improve your user experience, and drive a competitive advantage:

Go to microsoft.com/windowseembedded/en-us/products-solutions-overview.aspx

Visit hp.com/go/thin

Or [contact your Microsoft or HP representative](#)

¹ Source: IDC Worldwide Quarterly Enterprise Client Device Tracker, Q1 2015.

² Microsoft Azure requires subscription from Microsoft. See <http://azure.microsoft.com/en-us/> for complete details.

³ Microsoft Office 365 requires subscription from Microsoft. See <https://products.office.com/en-us/business/explore-office-365-for-business> for complete details.

⁴ Skype for Business requires subscription from Microsoft. See <http://www.skype.com/en/business/> for complete details.

⁵ Test results are not a guarantee of future performance under these test conditions. Damage under these test conditions requires an optional HP Accidental Damage Protection Care Pack.

⁶ Accessories not included. Additional purchase required.

⁷ HP Easy Shell is currently available on Windows Embedded Standard 7E, Windows Embedded Standard 7P, Windows Embedded 8 Standard, and Windows Embedded 8.1 Industry Pro.

⁸ HP Thin Client security features vary by model. See product quick specs for complete configuration details.

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