

Make flexibility the cornerstone of your company's future

Elevate architecture, engineering, and construction workflows with HP Anyware



New productivity-enhancing technologies like HP Anyware give AEC firms an advantage when working with design concepts, simulations, and project data, helping them to power through tight deadlines and stay competitive regardless of when or where people are working.

The modern architecture, engineering, and construction (AEC) workplace is hybrid—at least, for the foreseeable future. But despite the newfound mobility hybrid work brings, the latency and performance issues it can lead to risk leaving AEC professionals unsatisfied and could stall progress on important projects.

Remote display solutions have become an essential part of the digital workspace for users who require a high level of graphics performance. An additional benefit is that these solutions let people work from any endpoint device they choose—desktop, laptop, Chromebook, or tablet—which provides access to remotely hosted applications on in-office workstations.

The portability and accessibility of consumer equipment like laptops are unbeatable from an end-user perspective, and because centrally run software applications prevent data from ever leaving the corporate data center, IT teams can rest assured knowing that client confidentiality is maintained.

When workers interact with centralized content, the risk of out-of-step change orders on disconnected endpoints is drastically reduced. This improves collaboration, spurring rapid design progression.



What to look for in a digital workspace solution

To collaborate effectively in a hybrid work environment, real-time, responsive, visual interactivity should mimic the experience of working in person on a modern office workstation.

When evaluating digital workspace solutions, you should look for technologies that deliver lossless reproduction of text, wireframes, textures, and intricate graphics—regardless of network conditions, as home internet connections tend to be inconsistent.

HP Anyware can deliver accessible, remote access to a wide array of BIM modeling, CAD, and 3D applications, as well as photorealistic rendering, visualization, and simulated flythroughs.

HP Anyware's exclusive PC-over-IP (PCoIP) protocol helps secure and support projects at every phase—from design concept to development, construction, and closeout.



Bartlett & West

Engineering, construction, and technology



Problem

Remote employees connecting to office workstations over a VPN with Remote Desktop Protocol (RDP) experienced lagging performance when working with computer-aided design (CAD) and other graphics-intensive applications.



Solution

Virtual workstations

GPU-enabled servers

HP Anyware PCoIP® remote display protocol



Result

Employees now access virtual workstations from anywhere, on any device, at any time, with near-lossless connectivity. Sensitive design files are protected by fully encrypted pixel-only transfer from the on-site workstation to the off-site laptop display. Centralizing desktop resources has reduced IT spend, allowing Bartlett & West to pass on greater value to clients.



Take your AEC company to the next level with HP Anyware

Here are a few of the benefits HP Anyware can bring to your hybrid AEC teams

It unifies creative collaborators and makes the impossible, possible

Latency, time zones, and mix-and-match devices and operating systems threaten to derail projects and add unnecessary strain on IT. With HP Anyware, teams, contractors, and specialists can seamlessly collaborate on content in the office, at home, on-site, or at a client meeting—guaranteeing tight coordination of activities across all phases of a complex project.

It overcomes connectivity issues, giving power users a power boost

HP Anyware PCoIP® remote display technology dynamically adapts to LAN or WAN network conditions in real time, making AutoCAD, Revit, MicroStation, and BIM seamless to use. Users retain 4K image quality and full-frame-rate 3D graphics across multiple displays, while USB peripherals that are critical to AEC, like 3Dconnexion SpaceMouse or Wacom tablets and pen displays, integrate effortlessly over high-latency networks.

When it comes to deployment, IT teams can “set it and forget it”

It's simple to deploy HP Anyware on virtually any combination of infrastructure, host environment, endpoint device, and operating system via a quick installation process. Other benefits for IT include an easy-to-use interface for brokering, provisioning, and central management, as well as no need to preconfigure for specific use cases.

It charges only for active connections—and restores control over cloud creep

HP Anyware enables cost-effective hybrid deployments, bridging on-premises and public cloud workstations, providing user entitlements, brokering secured connections between users and desktops, and offering multifactor authentication. Cloud computing costs are kept in check by powering resources up and down as needed—you'll never pay for connections that aren't in use.



Hackers don't stand a chance against the power of the pixel

HP Anyware sends only encrypted pixels, meaning that no data ever leaves your company's corporate data center or secured public cloud data store. This eliminates the need for a VPN and improves the performance of data-intensive AEC software, protecting companies' valuable assets, intellectual property, and design schematics without compromising speed or performance.

It's so lightweight, most people forget they're using it at all

HP Anyware provides near-lossless performance while using applications from companies like Autodesk, Bentley, Nemetschek, and Trimble—or any other favorite software tools—without altering performance. Users can access building and infrastructure design, construction, and CAD/CAM/CAE software with workstation computing power or leverage the vast capabilities of the public cloud.

About our technology

HP Anyware PCoIP® remote display technology delivers a high-definition and highly responsive computing experience through the most challenging network conditions.



PCoIP technology was invented in 2004, and although it has been imitated, HP Anyware PCoIP® remote display technology remains unrivaled.



HP Anyware PCoIP® encodes, compresses, encrypts, and transports image pixels from a central server or workstation.



It then decrypts and decompresses the image for users to interact with on virtually any endpoint.

No business information ever leaves your secured cloud, data center, or workstation.



CLK Architects

Architecture firm specializing in healthcare, higher education, K-12, and municipalities



Problem

Employees working from home experienced poor performance from their existing remote access solution, particularly when working with 3D applications like AutoCAD and Revit. Their existing solution also lacked support for multiple displays.



Solution

HP Anyware PCoIP® remote display protocol



Result

Designers at the firm can connect 1:1 to their in-office workstations from home and enjoy the same application experience they have in the office—including clean lines, fluid motion, and multi-monitor support. HP Anyware's remote display technology adds a layer of security, protecting CLK Architects' clients from data exposure as employees move between home and office.

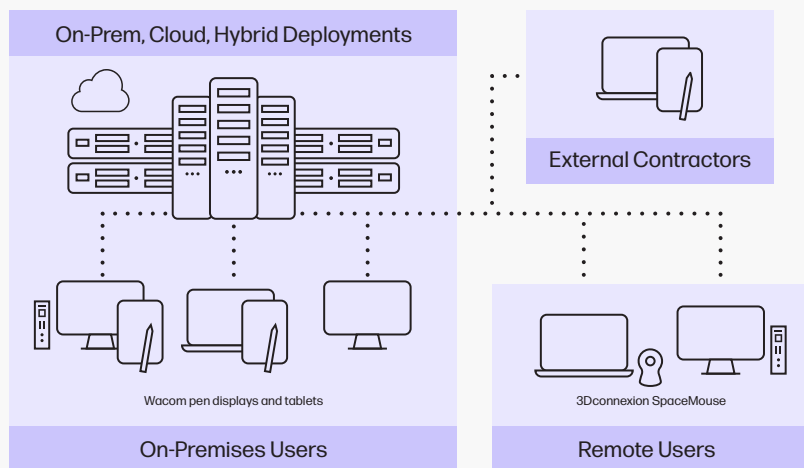
How PCoIP remote display technology works

Not all remote display technologies are created equal

If you've ever accessed a digital workspace, you've likely encountered the PCoIP protocol. The PCoIP protocol was originally developed by Teradici—now part of HP—so HP Anyware users get the benefit of licensing the software directly from the people who created it and are best equipped to support it. Built on the same technology that won both Teradici and HP an Engineering Emmy® in 2020, HP Anyware creates a distortion-free, color-accurate experience and expanded multi-codec and dynamic network adaption that sets it apart from its competitors.

PCoIP uses advanced display compression to allow users to remotely access on-premises workstations or virtual machine instances in local data centers or public clouds from a range of devices. While other technologies burden network and compute resources, HP Anyware PCoIP® remote display technology offers a working experience that's nearly indistinguishable from being in the office, whether you're 10 or 1,000 miles away.

HP Anyware PCoIP® remote display technology sends only encrypted pixels to an end user's device, keeping all data within the confines of the corporate network, cloud, or data center. Internet traffic is secured with AES-256 encryption, which meets the highest level of security standards required by governments.



Virtually...

ANY host environment

ANY endpoint device

ANY operating system

ANYWARE

LEARN MORE AT [HP.COM/ANYWARE](https://hp.com/anyware)



 Anyware

HP Anyware requires network access. HP Anyware supports Windows®, Linux®, and MacOS® host environments and Windows, Linux, MacOS, iOS®, Android®, and Chrome OS® end-user devices. For more on the system requirements for installing HP Anyware, refer to the Admin Guides at: <https://docs.teradici.com/find/product/cloud-access-software>

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