

# Uncompromised collaboration for manufacturing teams

Boost efficiency and collaboration across multiple teams, vendors, and time zones



New productivity-enhancing technologies like HP Anyware give manufacturers an advantage when working with designs, concepts, simulations, and project data by helping them power through detailed graphics and tight deadlines regardless of where people are working.

The very framework of manufacturing has evolved. The adoption of hybrid workplace technology has freed engineers, designers, and project managers from the constraints of the office setting. This now means these same team members require a remote access experience that mirrors the in-office workspace.

Delivering an effective remote work environment for product design and manufacturing teams is especially challenging. Software for 2D and 3D CAD design, solid modeling, design analysis, simulation, and photorealistic visualization requires the capabilities to create and render huge graphics files. Network latency and performance issues can disrupt productivity, triggering frustration, reduced productivity, and even missed deadlines.

Remote display solutions have become an essential part of the digital workspace for users who require high-level graphics performance. These solutions provide access to remotely hosted applications, data, and files and let people work from any endpoint, including desktops, laptops, Chromebooks, and tablets.

When projects are run with centralized content, the risk of people working from out-of-date file versions and out-of-step change orders on disconnected endpoints is drastically reduced. This improves collaboration and spurs rapid design progression.

In addition, centrally run software prevents data from ever leaving the corporate data center, which protects sensitive data and proprietary ideas while client confidentiality and legal compliance are maintained.





# Finding the right digital workspace solution for product design and manufacturing

Effective product design in a hybrid work environment requires real-time, responsive visual interactivity that comes as close as possible to the experience of working in person on a modern office workstation.

When evaluating digital workspace solutions, you should look for one that seamlessly recreates the office workstation experience with smooth file creation and 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.

The HP Anyware exclusive PC-over-IP (PCoIP) protocol helps secure and support projects at every phase—from design concept and development to testing, simulation, and production.



## Cascade DAFO

Custom pediatric orthotics design and manufacturing



## Problem

Airborne particles in the plant caused workstation failures, which led to hours of downtime while IT physically troubleshot issues. HIPAA compliance around protecting personally identifiable information (PII) was also of major concern—especially while enabling work-from-home capabilities—while network latency limited off-prem server options.



## Solution

Server room with workstations running HP Anyware, powered by the PCoIP® remote display protocol

All-in-one PCoIP Zero Clients



## Result

Virtual workstations are now protected within the on-prem server room. IT resolution has been cut from hours to minutes, and a four-person IT team is easily able to support the staff of 300. Engineering, testing, and administrative users have customized secured remote access from home while PII information stays secured, and the company remains HIPAA compliant.





# Work more effectively everywhere with the power of HP Anyware

Easily manage secured remote access that drives powerful modern work

## Everyone working together even when everyone isn't working together

Whether logging in from the office, an off-site meeting, or home, HP Anyware enables secured remote access to applications, files, and data. This means you can easily design, present, test, and troubleshoot under virtually any network conditions—enabling seamless collaboration and tight project coordination across all phases of your product lifecycle.

## Connectivity that gives power users a power boost

PCoIP® remote display technology dynamically adapts to LAN or WAN network conditions in real time, which makes using programs like AutoCAD, Creo, Fusion 360, and SOLIDWORKS seamless. It delivers 4K image quality and full-frame-rate 3D graphics across multiple displays, while USB peripherals like 3Dconnexion SpaceMouse input devices and Wacom pen tablets integrate effortlessly even over high-latency networks.





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

HP Anyware sends only encrypted pixels, which means no data ever leaves your company's corporate data center or secured public cloud data store. This eliminates the need for VPNs and improves the performance of data-intensive design and manufacturing software. It protects your company's valuable assets, intellectual property, and design schematics without compromising speed or performance.

## Simply put, it simplifies IT management

It's easy to deploy HP Anyware on virtually any combination of infrastructure, host environments, endpoint devices, and operating systems. A single management interface lets you manage and control workstations from the data center—minimizing the time and resources you spend on OS and software updates and patches. You can also rapidly scale your deployment up or down across regions to meet demand.

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

HP Anyware provides near-lossless performance while using applications like AutoCAD, CATIA, Inventor, and NX—or almost any other of your favorite software tools—as if they were directly installed on your machine. You don't even have to worry about system compatibility. HP Anyware lets you work natively from the workstation system no matter what OS is running on the end user's desktop, laptop, or tablet.

## Embrace the cloud on your terms

The multi-cloud flexibility of HP Anyware supports any mix of private/on-premises or public cloud environments, Windows, Linux, or macOS virtual workstations, with or without GPUs. This enables cost-effective hybrid deployments that can bridge on-premises and public cloud workstations. It even controls costs by letting you power resources up and down as needed, so you'll never pay for connections that aren't in use.

## About our technology

HP Anyware leverages PCoIP® remote display technology to deliver 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, PCoIP technology continues to reach new heights.



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 any endpoint.

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

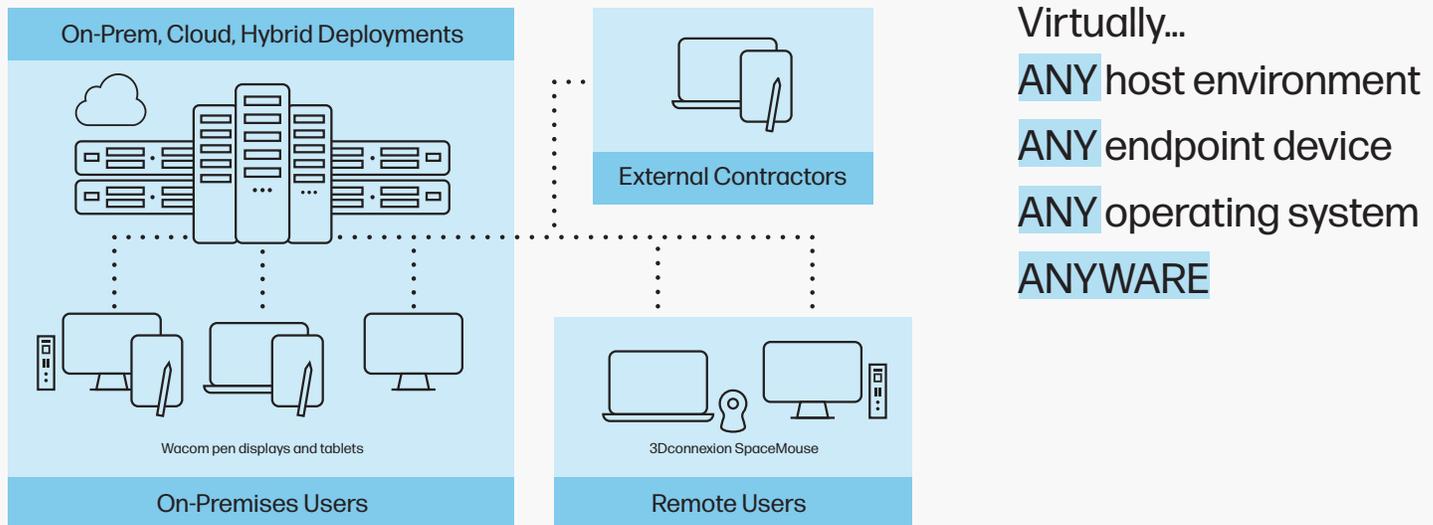


# Not all remote display technologies are created equal

## How PCoIP delivers a superior experience

If you've ever accessed a digital workspace, you've likely encountered a 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 adaptation that sets it apart from its competitors.

PCoIP advanced display compression allows 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 system resources, 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.



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