Solutions Overview:

Uncompromised Graphics Quality

Remote Workstation

High performance workstation graphics help users get the most out of their workstation platforms when used with CAD & Engineering, Media & Entertainment and specialized applications in financial, oil & gas and government workstation segments. Allowing workstation platforms to be remotely accessed with full graphics performance brings exciting new possibilities to deployments. Capabilities that allow graphics, audio, user input and peripherals to be accessed within a corporate network or while away from the office enhance user productivity and ensure users have access to applications from anywhere.

It's essential to deliver remote graphics solutions for workstation platforms in a manner that brings full graphics performance, ease of deployment, high security and a user experience that feels like the workstation is right in front of the user.

Remote graphics workstations platforms today help automotive companies extend CAD/CAE systems to 3rd party suppliers while keeping all data securely in a data center and only remoting pixels to remote users. In house CAD/CAE users gain the flexibility to access their workstation from anywhere on the network. Instantly go from working at a desk to presenting in a conference room from the same workstation.

USE CASES:

- Design & Engineering
- Media & Entertainment
- Financial Services
- Oil & Gas
- Government
- Healthcare

CHALLENGES:

- Poor remote graphics performance
- Complexity of configuration
- User access to desktop on the go
- System updates and maintenance

SOLUTION:

AMD FirePro™ R5000 remote graphics combines a professional grade GPU and a Teradici PCoIP host processor into a single-wide PCIe® form factor. It is the only such stand-alone solution currently in the market.

PARTNERS:

- Teradici
- VMware
- Citrix

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Remote graphics solutions also help financial services markets deliver high performance multi-display workstations to users but limit actual compute resources at the user's desk. Remoting of users from centralized remote data centers allows financial services companies to place workstations close to corporate applications in their data centers to help decrease processing time for trading transactions, maximize workspace and keep the environment cool and quiet, and limit user downtime.

Solutions using remote graphics technology have also proven themselves in government and secure computing segments where data security is essential and encrypted delivery of a workstation screen is essential to simple endpoint client devices like Zero Clients or Thin Clients.

AMD Remote Workstation Solutions

AMD's professional graphics family includes the AMD FirePro™ R5000 remote graphics card which incorporates the graphics performance of the AMD FirePro™ W5000 graphics card with a remote graphics processing device to enable high performance encryption, compression and delivery of a workstation using the PCoIP protocol. The PCoIP protocol developed by Teradici allows for simple Zero Client devices or software clients to be used by the remote user. The PCoIP protocol is a modern remote graphics protocol that is host rendered, intelligent in distinguishing onscreen content types and delivering them across LAN or WAN networks. The AMD FirePro R5000 can be added to any workstation or server platform as an add-in PCIe® card.

AMD FirePro R5000 Advantages

AMD FirePro R5000 remote graphics provides a simple deployment mechanism to bring workstation-class remote graphics to any organization. Key benefits include:

- High performance professional grade GPU ideal for CAD/CAE, financial and other mainstream workstation markets.
- Teradici TERA2240 PCoIP processor integrated into the AMD FirePro R5000 card allowing for delivery to PCoIP enabled end points like Zero Clients and PCoIP software clients for Mac and Windows®.
- Host workstation platform can be one user to one workstation chassis or direct pass through virtualization where multiple AMD FirePro R5000 cards are installed in the platform and assigned to individual virtual machines. Virtualization solutions supported include:
  - VMware® ESXi® (vDGA): optionally allows use of Horizon View as a broker for LAN access or Internet enabled remote access when using Horizon View Security Server. Extends delivery to iPads, Android tablets and a wider selection of endpoint devices.
  - Citrix® XenServer™ (GPU pass through) as a hypervisor with PCoIP hardware remoting used to Zero clients or PCoIP software clients for Mac and Windows.
- The only single PCIe slot solution for maximum density. For one user, deploy two AMD FirePro R5000 cards in a workstation to support up to eight displays. Deploy multiple cards in one server and support multiple individual users.
- Dedicated onboard networking for remote delivery ensuring remote graphics network can be separated from other networks or allowing for direct connect from user client device direct to workstation.
- Connecting an AMD FirePro R5000 card to a user's desktop requires nothing more than a PCoIP enabled Zero Client or the Teradici PCoIP Workstation software client. No additional software like a connection broker is required to direct connect from the AMD FirePro R5000 card to the user's desktop but you can optionally use 3rd party brokers to allow for enterprise wide connectivity.
- Simple plug in installation. Install the card and drivers and remote right away to low power fanless/noiseless Zero Clients or software clients for Windows and Mac.
- Leverages the extensive availability of Teradici PCoIP enabled Zero Clients from most leading PC and Workstation partners including monitor integrated zero clients from leading monitor vendors allowing for just a PCoIP Zero Client monitor to be the user's remote device – saving desktop real estate.
- ISV certifications for leading applications.

For more information, visit ***www.amd.com/fireproR5000***.