

# HIGH PERFORMANCE REMOTE WORKSTATIONS



## ClearCube V5320 and V5340 Video Cards with PColP Technology

ClearCube was the very first manufacturer to develop products with the PColP remote workstation protocol. Having developed its third generation of high performance video cards with PColP technology, ClearCube is delivering unprecedented, multi-monitor, high definition remote computing performance with the V5320 and V5340 video cards.

### Move the Desktop to the Datacenter for Improved Security and Reliability Without Compromise

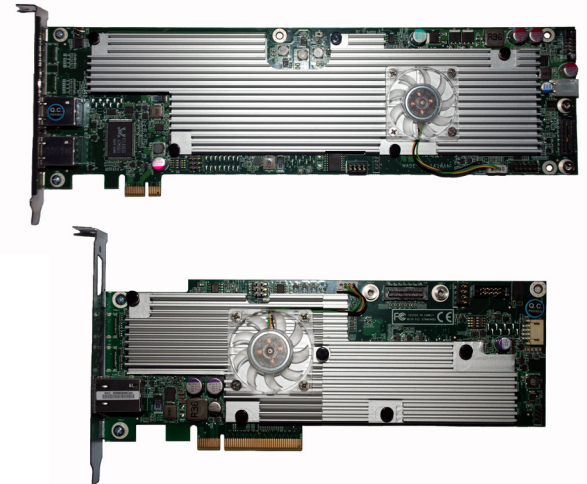
Secure your systems and extend their life by moving them to the data-center and converting them into powerful dual-monitor or quad-monitor remote workstations with PC-over-IP® (PCoIP®) technology. The ClearCube V5320 and V5340 deliver stunning high definition video performance by combining a powerful nVidia® GPU with the remote workstation capability of the Teradici PC-over-IP® 1202 processor.

IT organizations can leverage existing computing resources by replacing legacy video options with the ClearCube® V5320 Remote Workstation Host Card—providing users with a high-performance, dual monitor, high definition computing experience while clearing the desktop of the bulky PC and replacing it with a small footprint ClearCube Zero Client. When the ClearCube V5320 video card is deployed in conjunction with the ClearCube V5340 video card, then enterprises can achieve quad-monitor video performance.

When connecting to a ClearCube Zero Client, at the end user's location, the V5320/V5340 deliver full 1920 x 1200 resolution on two to four monitors with no distance limitation between the host computing resource and the zero client at the end-user's desk.

### Secure Computing with ClearCube's Mass Storage Lockout

ClearCube is the only manufacturer to deliver a hardware based security layer on video cards with PColP technology. ClearCube's patented Mass Storage Lockout equips IT administrators with the ability to set a jumper on the V5320 and V5340 to prevent unauthorized system access by USB based storage. This capability locks down critical IT systems and eliminates the threat of USB borne malware, Trojans and viruses. In addition, this helps prevent confidential data from being breached and therefore improves regulatory compliance while minimizing risk.



### ClearCube Delivers the Platinum Standard in Video Performance with PColP

The ClearCube V5320 and V5340 combines the graphics processing power of an nVidia GeForce® GT 430 GPU with state-of-the-art remote workstation capabilities of the Teradici 1202 PColP processor and delivers:

- High definition, multi-monitor (up to Quad Monitor) support—perfect for command and control centers, financial trading floors and engineering firms with 2D and 3D rendering requirements
- 1 GB On-Board Video Memory - the most of any PColP Video Card
- DirectX® 11 Support
- OpenGL 4.1 Support
- Delivers outstanding visual acuity with strong 3D rendering performance
- Options for hardware and software mass storage lockout
- No distance limitations



## System Guidelines

- **Dual Monitor Setup:** The host system must have one PCIe x8 slot (or wider) capable of accommodating a standard-height, full-length card (V5320)
- **Quad Monitor Setup:** In addition to the PCIe x8 for the V5320, the host system must have a PCIe x1 (or wider) slot for capable of accommodating a standard-height, full-length card (V5340)
- **Remote Wake Cable:** If remote wake feature is desired, then the host system should accept a 2-pin cable connecting to the “power button” header on the host motherboard. (front panel power button cable would be daisy chained to ClearCube cable) Remote wake may not be compatible with all systems.
- **Quad Monitor Expansion (QMX) cables:** two cables (provided by ClearCube) connecting 5320 to 5340 for quad monitors.
- **Forced airflow of approximately 30 CFM required.**

## Specifications

### V5320 Dual Video Remote Workstation Host Card

**Form Factor:** 3.265 inches (H) x 8.520 inches (L), single PCI-e x8 expansion slot (standard height, full length)

**Video:** Supports 1 or 2 monitors at 32-bit color depth and up to 1920 x 1200 resolution

**Memory:** 1 GB DDR3

**GPU:** nVidia GeForce GT 430

**Security:** Mass Storage Lockout

**Connections:** 10/100/1000 Mbps Ethernet

**Max Power:** 25 W

**Weight:** 6.9 ounces; .195 kg

**Environment:** Stationary office, 0° to 35° C

### V5340 Quad Video Remote Workstation Host Card

**Form Factor:** 3.80 inches (H) x 11.75 inches (L), single PCI-e x1 expansion slot (standard height, full length)

**Video:** When combined with the V5320 it supports up to 4 monitors at 32-bit color depth and up to 1920 x 1200 resolution

**Memory:** 1 GB DDR3

**GPU:** nVidia GeForce GT 430

**Connections:** 10/100/1000 Mbps Ethernet

**Max Power:** 25 W

**Weight:** 10.7 ounces; .303 kg

**Environment:** Stationary office, 0° to 35° C



To learn more about ClearCube Virtual and Centralized Solutions or to Setup a Demonstration call: 1-866-652-3500 or email: [sales@clearcube.com](mailto:sales@clearcube.com)

## The Perfect Compliment to Your VMware View Environment

Desktop Virtualization Infrastructure (VDI) is one of the fastest growing categories in IT. VDI helps you achieve efficient allocation of computing resources for task and knowledge workers in the enterprise. However, when you're trying to fulfill the requirements for power users, VDI often falls short. For intensive graphics processing you really need a dedicated centralized workstation with the graphics capability to enable the end-user to be productive. That's where the ClearCube V5320/V5340 Video Cards are a perfect fit. Simply equip your designated system with the ClearCube V5320/V5340 and deploy a ClearCube Zero Client at the end-user's location and they'll have dedicated computing and graphics processing power with all the centralized benefits of VDI. In addition, VMware View can broker the connection between the ClearCube Zero Client and the V5320 host system so you don't have to utilize an entirely different technology or platform.

## ClearCube Delivers a Complete Solution with VMware Ready Zero Clients and Implementation Services



ClearCube Technology  
[www.clearcube.com](http://www.clearcube.com)  
1-866-652-3500