



## Financial Services SOLUTION SHEET

# CLEARCUBE® POWERING STATE-OF-ART SOLUTIONS FOR TRADING FLOORS

High-Availability Blade PC Workstation and Zero Clients

Trading floors are dynamic environments where even a few minutes of down-time can result in millions in lost revenue. Since traders rely on the highest uptime levels, IT personnel are under intense pressure to perform repairs, maintenance and moves/adds/changes (M/A/Cs) as quickly as possible. Trading floors must also contend with space restrictions, noise and heat issues, and security requirements that can create an IT nightmare.

ClearCube resolves critical availability, maintenance and ergonomic issues by centralizing all computing assets in a single location. The ClearCube solution condenses the workstation into a blade form factor and rack-mounts it in a data center. As a result, ClearCube eliminates the problems that traditional PCs on the desktop create.

### Virtualized and Centralized Computing for Trading Floors

When time is money, uptime is critical. ClearCube's centralized and virtualized environments are designed to maximize up-time by delivering the 1-to-1 performance traders expect without costly desk dives and rip and replace solutions.

Since the ClearCube solution enables IT personnel to perform maintenance from the data center, firms no longer have to dispatch technicians to the desk or to remote deployments. Traders are not disrupted, and IT personnel can execute repairs and upgrades dramatically faster. To adapt to fluid market conditions, firms frequently move the floor. These M/A/Cs are time-consuming and can cost up to \$1,000 per trader per move. The ClearCube solution eliminates expensive physical moves through remote switching capabilities. Since administrators can move users between blades directly from the IT console, time spent on M/A/Cs is reduced by 50%. Configuring and deploying a workstation for a new user is also simplified, requiring minutes rather than hours. The Benefits are clear:

**Higher Uptime** – Downtime on a trading floor means lost revenue. With its centralized hardware and remote management tools, the ClearCube solution increases uptime levels to 99.99%, resulting in a 38% reduction in help desk incidents and a 69% reduction in end-user downtime versus traditional PCs. In the event of a system failure, IT personnel can use the management software to switch a user to a "hot" spare blade in minutes.

**Noise Reduction** - By replacing the desktop PC with a ClearCube Zero Client, 100% of the decibels are eliminated from the work environment.

**Improved Ergonomics** - In an environment where real estate is at a premium and traders require multiple monitors and often multiple workstations, trader ergonomics are a major challenge. By removing the workstation from the desktop, financial traders gain more space, have fewer distractions, and benefit from an uninterrupted work environment – which translates to happier, more productive workers, and fewer stressed-out network administrators



# TRADER WORKSTATIONS

## Solution Sheet



**Improved Energy Efficiency** - ClearCube blade workstations average 55% greater energy efficiency than comparable desktop workstations and slash the number of BTUs generated in the work environment.

**Improved Thermal Characteristics** - Over 90% of the heat generated by PCs in the work environment is eliminated by replacing the desktop PC with a ClearCube Zero Client connected back to a ClearCube blade workstation in the data center.

**Hardened security** - Because traders handle large volumes of financial and proprietary data, firms must take strict measures to comply with federal privacy and asset management regulations like the Gramm-Leach Bliley (GLB) Act and the Sarbanes-Oxley (SOX) Act. By centralizing all blades in a single location, the ClearCube solution prevents data theft and tampering. IT administrators can also “lock out” users from attaching mass storage devices (disk drives, USB keys) to the user port to prevent unauthorized downloading and uploading. ClearCube blade workstations incorporate the latest Intel security advancements into the computing architecture and mitigate the risks from the most common threat vectors resulting in a significantly more secure environment.

**Business Continuity** - Firms can also leverage the ClearCube solution for fast, cost-efficient disaster recovery, ensuring that traders always have access to mission-critical data and computing assets in order to maintain productivity.

### Quad Monitor High Performance Trader Workstations

Financial service companies want to provide their traders with up to four displays at the desktop to open multiple spreadsheets, client accounts, trade setups, and other office applications. With CDI, four displays are now supported by each zero client device.

ClearCube Quad Monitors zero clients deliver simultaneous full screen, full motion video at high resolution on up to four monitors at 1920 x 1200. Users can configure each monitor independently with the same or different resolution and orientation (portrait or landscape). PCoIP technology allows enterprise PCs and workstations to be centrally managed in a data center while providing high resolution, full frame rate 3D graphics and HD media, with full USB peripheral interoperability, locally over a LAN or remotely over a high-latency WAN.



**ClearCube have successfully deployed thousands of quad monitor trader workstations to financial services companies that demand high performance, maximum uptime and minimal management.**



### Ordering Information

Call 866-652-3500  
Email [sales@clearcube.com](mailto:sales@clearcube.com)  
to order or for more information