



Mightier Freedom Remote

Mightier Freedom Remote extends DVI (up to 1920 x 1200) video, CD Quality Audio, USB 2.0 (Keyboard, Mouse and Peripherals) and serial over a network.

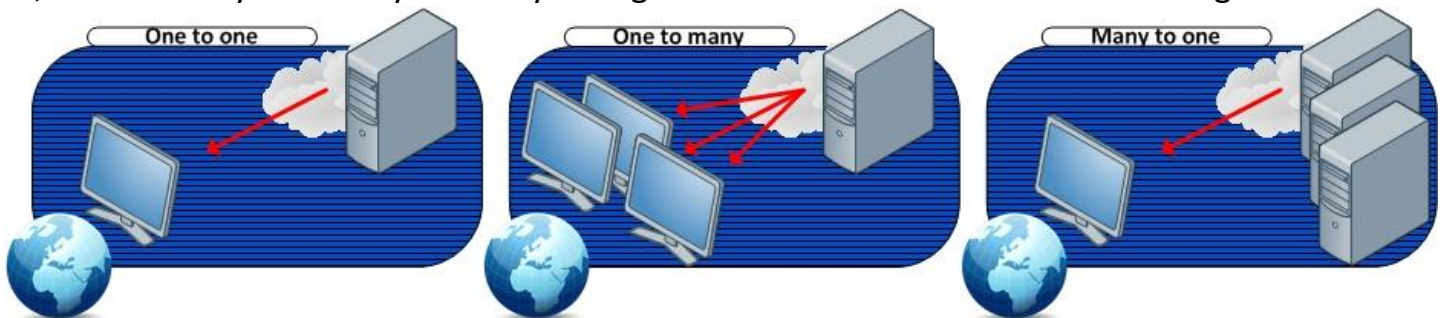
The new Mightier Freedom Remote unshackles financial institutions from the physical barriers of the traditional trading floor by offering a secure, hardware and OS-independent, ultra high speed IP remote system that will revolutionize dealing rooms and the way we think about the trading room environment.

Freedom is a product aimed at lowering total operating costs by reducing real estate requirements, streamlining the trader desk configuration, cutting air conditioning usage and minimizing actual hardware located at the desk curtailing maintenance and facilities costs. By moving the PC's off of the trading floor into a secure, clean air data center and implementing Freedom's "hot desking" capabilities you also lower costs associated with Moves, Adds and Change while offering a flexible and easily adaptable work environment.



Utilizing standard protocols but using revolutionary new chip and hardware technology, the Mightier Freedom Remote allows banks to have a fully functioning trading room with all PCs operating from a data center up to 50 miles away from the main trading floor, with the system adding less than a 10 millisecond time delay from start to finish.

The Mightier Freedom Remote, which delivers unrivalled speed, flexibility and can be used in one-to-one, one-to-many and many-to-many configuration is the next evolution in trading floor extenders.



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Technical Specifications:

Thin Client capabilities:

Unlike traditional KVM-over-IP solutions there is no need for a PC at the desk end.

The unit uses IP networking. This gives great flexibility and benefits with using this product, such as multicast, routing, web technologies, to make trading profiles easier to deploy and use.

DVI over Gigabit Ethernet:

Up to 1920x1200 DVI-I transmission – user configurable, or auto detect

Up to 24-bit color – user configurable (8-bit, 16-bit, 24-bit – the more colors used the greater the bandwidth used)

USB over Gigabit Ethernet:

USB 2.0 – support a variety of formats, including HID (KB/M) and Mass storage for which its performance has been optimized

Audio over Gigabit Ethernet:

CD Quality transparent end to end audio
44.1 KHZ, 16-bits per channel (2 channels)

Linear Encoding

Configurable as either Mic-in or Line-in at remote end

Two – way stereo audio for speakers and microphones.

Point to point, routable or multicast IPV4, IPV6

DDC emulation

UDP (not TCP)

All data captured, compared, compressed (and encrypted...) in hardware. This approach will minimize video latency and maximize video throughput

Supports all standard resolutions up to 1920x1200

	Traditional Extenders	Traditional IP	Freedom
Latency	Low latency – highly Responsive	Non-deterministic latency	Hardware-centric approach ensures minimal latency.
Loss	No- or very-low loss	Bandwidth limitations mean lossy protocols usually employed	Efficient use of gigabit network – no need for lossy protocol. Only throw away unnecessary data.
Ease of use	Plug-and-play and go	Usually require manual pre-configuration	Plug-and-play out of the box. Yet still preserving all of the flexibility of an IP network.
Flexibility	Limited flexibility – point-to-point Moves and changes are more difficult	Great flexibility. – the benefits of IP networking Multicast, switching, inter-networking	Full flexibility – multicast, fixed routes, switching, inter-networking.
Security	Little or no security on the wire	Possibility to use industry Standard encryption protocols	All standard encryption protocols possible.
Range	Range is always limited	Unlimited range	Unlimited Range.

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