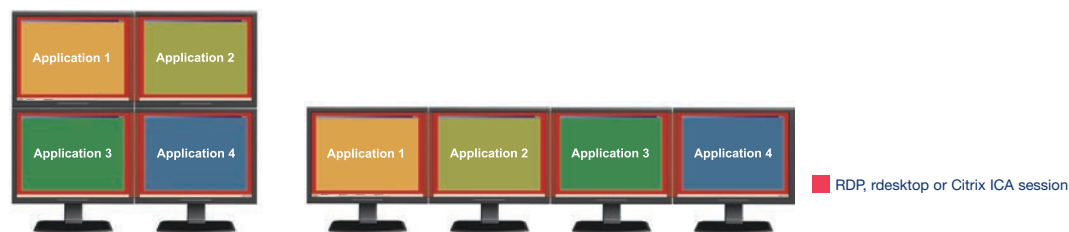## Matrox Epica software

Matrox PowerDesk Epica and Matrox PowerSpace Epica software suites are installed on the server-side to enhance the user experience of professionals working with multi-display virtually hosted desktops.

These two innovative desktop management tools have been exclusively designed for the Matrox Epica series of graphics cards, to provide a hardware and software solution which offers powerful productivity-enhancing features and tools for thin-computing environments.

Matrox PowerDesk Epica key features:

- Multi-monitor awareness capability
- Resolution auto-detection

- Maximize windows across a specified number of displays
- Control dialog box and message box positioning

RDP, rdesktop or Citrix ICA session

Utilizing Matrox Epica hardware and software with RDP, rdesktop or Citrix ICA, users can enable different display configurations and enrich large remote desktop sessions with desktop management. Applications running within a multi-display remote session can be maximized to a single display or across multiple displays.

Matrox PowerSpace Epica key features:

- Create multiple workspaces to better organize screen space
- Define up to 9 virtual desktops per monitor, or per multi-monitor workspace, that can be labeled and toggled with hotkeys

- Save application positions per monitor/per workspace
- Retain local multi-monitor settings even after a remote login session from a single monitor has occurred

Workspace 1-Finance

Workspace 3-Word

Workspace 2-Internet
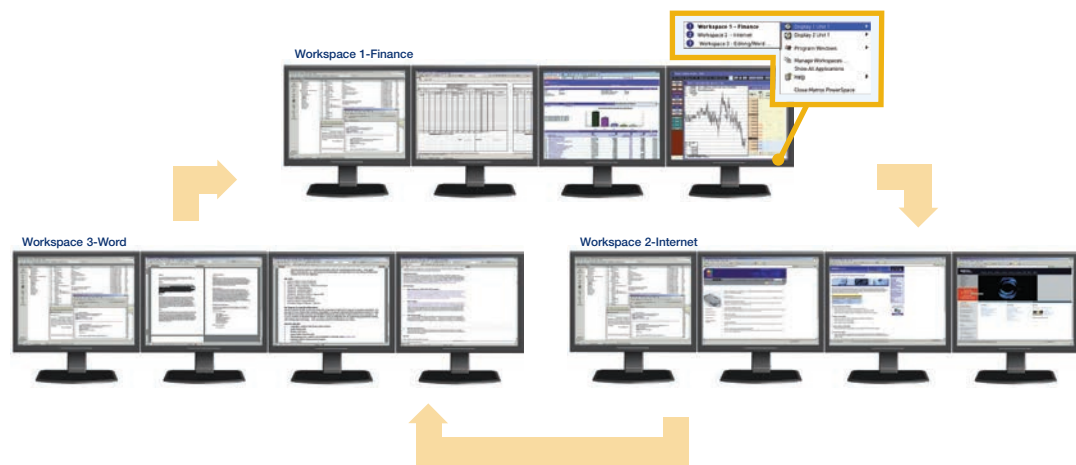
Multi-display hardware and software suite for thin computing.

Matrox Epica Multi-Display add-on Graphics Cards

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Graphics for Professionals
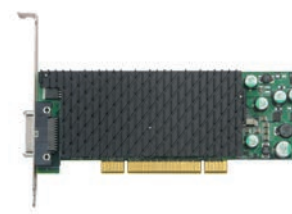
Matrox Epica to revolutionize multi-display thin computing

With a focus on professional productivity-enhancing solutions, Matrox now brings its multi-display expertise and leadership to thin computing. Matrox Epica is an innovative hardware and software solution which helps to provide multi-display to thin-computing environments and simultaneously enhances the user experience with powerful productivity-enhancing features. The Epica series of graphics cards, comprised of the Epica TC2-Lite, Epica TC2 and Epica TC4, offer full featured dual and quad display capability to the client; while the Matrox Epica software suites, including Matrox PowerDesk Epica and Matrox PowerSpace Epica, add value by allowing multi-monitor awareness and desktop management from the server.

Hardware and software solution

The Matrox Epica TC2-Lite, Epica TC2 and Epica TC4 are PCI, low-profile, fanless and low-power consuming graphics cards which address the need to increase screen real-estate in thin-computing environments by offering multi-display capability. The traditional unique Matrox benefits of long product life cycles, reliability and stability, flexibility and industry-leading 2D image quality further lend themselves perfectly to this technology. Matrox Epica series of graphics cards are supported in Windows and Linux environments.

Matrox PowerDesk Epica and Matrox PowerSpace Epica reside on the server and are compatible with leading remote connection technologies such as Microsoft RDP, Linux rdesktop and Citrix ICA for Windows. Matrox PowerDesk Epica desktop management software can automatically or manually partition a virtual desktop into segments matching the number of monitors, thus enabling the feel of an NT-style desktop. This allows applications to be maximized to a particular segment instead of the entire desktop. It also allows the user to specify where application windows and dialog pop-up boxes appear to prevent them from straddling multiple monitors. Matrox PowerSpace Epica virtual desktop manager allows the user to define up to nine independent workspaces that can be labeled and toggled with hotkeys. Within each workspace, the software also allows an application position to be saved and recalled. It is also possible to automatically start an application in its saved position.

Epica TC2-Lite

Epica TC2

Epica TC4

EpicA TC2-Lite, EpicA TC2 and EpicA TC4 graphics cards

Feature	Benefit
Dual and quad capability*	Provides additional screen real estate to increase productivity by as much as 20 – 50%
Low power consumption	Lowers costs by reducing total power usage
Passive cooling solution	Results in a high MTBF (Mean Time Between Failure) therefore extending product life, saving on replacement costs and eliminating the sudden risk of failure
Low profile design	Enables integration into a wide range of systems, including small form factor PCs, thin clients and full height systems
Higher display resolution support for thin clients	Minimizes moving or tabbing between applications
Matrox renowned rock solid drivers	Provides stability and reliability
Long product life cycle	Eliminates frequent and expensive re-qualifications
Supported on Linux and Windows platforms	Results in a flexible solution that is compatible with remote connection technologies such as Microsoft RDP, Linux rdesktop and Citrix ICA for Windows

* System dependent

	Epica TC2-Lite	Epica TC2	Epica TC4
Part number	EPI-TC2P32LPAF	EPI-TC2P64LPAF	EPI-TC4P128LPAF
Number of displays supported	1 or 2	1 or 2	1, 2, 3 or 4
Bus	PCI	PCI	PCI
PCB Form Factor	Low profile (ATX bracket installed, LP bracket in box)	Low profile (ATX bracket installed, LP bracket in box)	Low profile (ATX bracket installed, LP bracket in box)
Maximum Power Consumption*	10.07 W	10.6 W	15.4 W
OS Supported	MS Windows 2000, XP, XPe or Linux	MS Windows 2000, XP, XPe or Linux	MS Windows 2000, XP, XPe or Linux
Memory	32 MB DDR	64 MB DDR	128 MB DDR
Maximum Analog resolution (Number of screens: Total desktop resolution)	One: 2048 x 1536 Two: 3200 x 1200	One: 2048 x 1536 Two: 3840 x 1440	One: 1600 x 1200 Two: 3200 x 1200 Three: 4800 x 1200 Four: 6400 x 1200
Maximum Digital resolution (Number of screens: Total desktop resolution)	One: 1280 x 1024 Two: 2560 x 1024	One: 1920 x 1200 Two: 3840 x 1200	One: 1600 x 1200 Two: 3200 x 1200 Three: 4800 x 1200 Four: 6400 x 1200
Independent Resolution Support	✓	✓	✓[†]
Stretched Mode	✓	✓	✓
Pivot Mode	x	✓	✓
Clone Mode	✓	✓	✓
Board Dimensions (Height / Length)	2.5" / 6.6"	2.5" / 5.2"	2.5" / 6.6"
Connectors	LFH60 to dual DVI-I	LFH60 to dual DVI-I	KX20-100 to 4 x DVI-I
EMC Certifications	Class B – ACA, CE, CSA, FCC, ICES, VCCI	Class B – ACA, CE, CSA, FCC, ICES, VCCI	Class A – ACA, CE, CSA, FCC, ICES, VCCI
Warranty	3 years	3 years	3 years

* Maximum power consumption measurement when board is running 2D application in Windows XP with multi-display function enabled.
† Support for pairs of independent resolutions with driver revision 2.03.