



Neoware Multi-Display Solutions



Enterprises and their end users are seeking to increase user productivity by maximizing their desktop display real estate. Industries such as financial, medical services, and document management are quickly adopting the technology. Neoware provides a variety of multi-display solutions with its Neoware e140 thin client, including:

- Native support of dual displays (no additional hardware required)
- Support of two to four displays with optional Matrox EpicA series graphics cards

Neoware thin-client and multi-display technology provides a desktop capable of extending across more than just one display. The benefits derived from using multiple displays include a reduction in the time spent moving information that doesn't otherwise fit on a single screen, reducing potential errors. According to various studies, the reported gains in productivity from using multiple displays range from 20% to 50%.

Neoware e140 Native Dual Display

Customers seeking an inexpensive dual display solution, or one that doesn't populate their PCI expansion slot, can use the Neoware e140 onboard VGA and DVI outputs to expand their desktop display. Maximum monitor resolution is 2560x1024 with one VGA and one DVI monitor (one of the two monitors must be DVI compatible).

Neoware e140 Thin Clients with EpicA Software

Combined with Matrox EpicA software, enterprises can experience multi-monitor awareness and greater remote desktop management with support from the server side. The EpicA TC2 and TC4 graphics cards support dual-, tri- and quad-display capabilities, with support for higher monitor resolutions and greater control over how information is distributed on the screens. Users will be able to operate from two to four digital or analog monitors simultaneously, and manage each desktop display remotely, for a well-organized workspace. They will be able to expand their desktop displays to view multiple applications or server connections (ICA or RDP), simultaneously.

EpicA TC2 Dual Head Graphics Card

The Matrox EpicA TC2 is a high resolution, dual-display PCI graphics controller. Designed especially for thin client devices, the EpicA TC2 has a low profile form factor, low power consumption, and is fanless. The EpicA TC2 supports up to 2048x1536 in analog mode and up to 1920x1200 in digital mode, with independent resolution capability for each display. The EpicA TC2 also supports portrait mode.



EpicA TC4 Quad Head Graphics Card

The Matrox EpicA TC4 provides crisp quad-display capability at up to 1600x1200 in digital or analog resolutions, and also supports stretched and portrait modes. Designed specifically for thin client devices and terminals, it is a fanless, low-profile graphics controller that has low power consumption.

For more information about the Matrox EpicA series graphic cards, visit:

<http://www.matrox.com/graphics/en/finent/products/epica/series.php>

	Neoware Native Dual Head	EpicA TC2	EpicA TC4
Form Factor	Built into Neoware e140 thin clients	Low profile PCI card available on Neoware e140	Low profile PCI card available on Neoware e140
Number of Displays Supported	1 or 2	1 or 2	1,2,3 or 4
OS Supported	XPe or Linux	XPe or Linux	XPe or Linux
Memory	NA	64 MB DDR	128 MB DDR
Maximum Analog Resolution (Number of screens: Total desktop resolution)	One: 1280x1024 Two: 2560x1024 *	One: 2048 x 1536 Two: 3840 x 1536	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)	* VGA & DVI	One: 1920 x 1200 Two: 3840 x 1200	One: 1600 x 1200 Two: 3200 x 1200 Three: 4800 x 1200 Four: 6400 x 1200
Stretched Mode		●	●
Pivot Mode		●	●
Clone Mode	● (VGA Only)	●	●
EMC Certifications	Class B – ACA, CE, CSA, FCC, VCCI	Class B – ACA, CE, CSA, FCC, ICES, VCCI	Class A – ACA, CE, CSA, FCC, ICES, VCCI
Passive Cooling (no fan)	●	●	●
Warranty	3 Year w/Reg.	3 Year (Matrox)	3 Year (Matrox)
Connectors	VGA & DVI	VGA or DVI	VGA or DVI
Cables & Adapters		One LFH60 to Dual DVI-I Two DVI-I to HD-15 Adapters	One KX20-100 to 4 x DVI-I 4 X DVI-I to HD-15 Adapters
P/N w/ Neoware e140 (Linux)		BK-K2-GC-xxBJ	BK-F3-KE-xxBJ
P/N w/ Neoware e140 (XPe)		BK-K2-GC-xxBK	BK-F3-KE-xxBK

Definitions

- **Stretched Mode** provides a larger desktop, stretched across two or more displays. Applications and images can be moved/dragged from one screen to the other between the two display areas. The monitor resolutions are identical and the Windows task bar stretches across all displays.
- **Independent Mode** allows multiple monitors to be driven at different resolutions but still enables a large desktop stretched across multiple monitors. Unlike stretched mode however, the Windows task bar will only appear on the primary monitor.
- **Pivot Mode** offers the capability to view the desktop in portrait mode where the monitor and desktop height is greater than the width unlike landscape mode.
- **Clone Mode** enables identical information to be displayed on a second monitor.



Matrox EpicA Software

Matrox offers complementary software that can be installed on the server-side to enhance the user experience with multi-display remotely hosted desktops.

EpicA PowerDesk Software

The Matrox EpicA PowerDesk software installs on a server to provide added features and tools for the EpicA TC2 and TC4 graphics cards. PowerDesk supports features like monitor awareness, resolution autodetection, the ability to maximize windows across specified number of displays, and the ability to control dialog box and message box positioning.

EpicA PowerSpace Software

The Matrox EpicA PowerSpace software installs on a server to provide added features and tools for the EpicA TC2 and TC4 graphics cards. PowerSpace allows you to define up to nine virtual desktops per monitor, save application positions per monitor / per workspace, and start applications upon login and automatically restore them to their locations when last saved.

For more information about the Matrox EpicA software, visit:

<http://www.matrox.com/graphics/en/finent/products/epica/software.php>