



Multi-Monitor Video Card Support Matrix

Multi-Monitor Video Cards

This page provides details of several multi-monitor capable video cards which have been tested for use with InTouch applications by Wonderware Product Marketing, Wonderware Technical Support and/or Wonderware Partners.

InTouch Application Category Support

Wonderware classifies two types of configuration for multi-monitor architectures, Categories A and B.

Category A systems include the following characteristics:

- Capable of configuring 1 virtual desktop.
- Monitor settings and configuration are available for 1 monitor.
- The Windows taskbar extends across multiple monitors (when configured in a side-by-side layout).
- Windows applications can be maximized to fit all monitors.
- These types of drivers are typically made for custom video cards with multiple ports.

Category B systems have the following characteristics:

- Capable of configuring multiple desktops.
- Monitor settings and configuration are available for each monitor.
- The Windows taskbar is fixed/assigned to one primary desktop (monitor).
- Windows applications can only be maximized on one primary designated monitor.
- This type of driver is provided by Windows support or as a standard driver for custom video cards.

Category B systems screen layouts are managed by the operating system.

Note:

Although Wonderware has reviewed the capabilities of these video cards, appearance and capabilities in the list below are for guidance only. While believed accurate at the time of publication, Wonderware does not guarantee the accuracy of the information in this list, nor do we endorse or specifically recommend video card hardware. This list is provided for guidance purposes only and you should verify that your selected hardware indeed meets the requirements for your particular architecture and application. Please send any comments, suggestions, additions or corrections to product.marketing@wonderware.com.

Multi Monitor Cards

Manufacturer	Card	Memory	Memory Type	Monitors	Connections	Bus Type	Stated OS	Tested OS	Category	Vista Score Gaming	Vista Score Aero	Summary
ATI	FireMV 2200	64MB	DDR	2	DVI (1, SPLIT)	PCI	Win XP, Win 2000, Linux	Win 2003, Vista	A	1.0	1.9	Low Cost card for non-demanding graphics applications. Recommended for InTouch 9.5 and below. Native driver support in Vista.
ATI	FireMV 2200	128MB	DDR	2	1 (Split)	PCI Express	Win XP, Win 2000, Linux	Vista	A, B	2.1	3.2	Good entry level card for non-demanding Vista graphics. Works in both category configurations, suitable for InTouch 10.0 and below.
ATI	FireMV 2200	128MB	DDR	2	DVI (1, SPLIT)	PCI Express	Win XP, Win 2000, Linux	Win 2003	B			Recommended for InTouch 9.5 and below, but need to check for a driver update for Windows 2003 if you are intending to use in Category A mode.
ATI	FireMV 2400	128MB	DDR	4	1 (Split)	PCI	Win XP, Win 2000	Win XP	A			Good multi-monitor card for up to four monitors. Cannot expand to more than 4 monitors using multiple cards due to software limitations.
ATI	FireMV 2400	256MB	DDR	4	1 (Split)	PCI Express	Win XP, Win 2000	Win XP	A			Good multi-monitor card for up to four monitors. Cannot expand to more than 4 monitors using multiple cards due to software limitations. Update: ATI now say Vista drivers are available.
Matrox	Extio F1400	128MB		4	DVI	PCI or PCIe	Win 2000/XP, Win 2003	Win XP	A, B	N/A	N/A	This unit remotes using a fibre optic cable the PCI bus and integrates a graphics controller. The head end unit has 4 DVI connectors, and also 6 USB ports and an audio connection. It can be placed up to 250m (800ft) from the headless PC unit.
Matrox	M9140 LP	512MB		4	DVI (Dongle)	PCIe x16	XP, Vista, Server 2003/2008	Vista (32bit)	A, B	4.4	5.8	Good performing card with full 64-bit support. 4 DVI connectors on dongle. Low profile for small enclosures (with full profile bracket).
Matrox	QID LP	128MB	DDR	4	1 (Split)	PCI Express	Win 2000, Win XP					Capable card for versatile multi-layout display systems. Versatile vendor supplied software enables category A and B configurations to be used.
nVidia	Quadro FX 3450	256MB		2	2 (DVI, DVI)	PCI Express		Vista		5.3	5.9	High end graphics card. Excellent Aero support. Suitable for very demanding applications.