

Matrox M-Series™

Drive Multi-Display Applications with Extraordinary Performance.

Matrox M-Series graphics cards render pristine images for an exceptional user experience. With 512MB of graphics memory and advanced desktop management support, M-Series can drive business applications on up to four high resolution monitors in both independent and stretched desktop modes. Based on a new ASIC that offers native single-chip QuadHead support, these cards build upon the reliability and stability of previous Matrox products and retain core benefits such as long-life cycles, top-to-bottom manufacturing, and a unified display driver model for easy deployment across multiple systems.

Key features:

- **512 MB frame buffer**
For enhanced performance in demanding multi-monitor business applications
- **Native PCI Express (PCIe) x16 performance**
Maximum bandwidth for performance
- **Single card stretched and independent desktop**
Supported in both Microsoft® Windows® Vista® Aero (WDDM mode) and Windows XP
- **Pristine image quality for high resolution displays**
2560 x 1600 dual-link DVI; 1920 x 1200 digital/analog
- **Passive cooling**
Fanless design eliminates noise and increases product reliability
- **Wide enterprise flexibility**
Unified driver package compatible with other Matrox products (P-Series, G-Series, QID Series, MMS Series, Parhelia Series, and Extio Series)
- **Multiple operating system support**
Display drivers for Windows Vista (32/64bit), Windows XP (32/64bit), and Windows Server 2003 (32/64bit)
- **Low profile form factor**
To fit in a wide variety of systems
- **Aftermarket upgrade to quad analog output**
Upgrade M9120 Plus DualHead SKUs to QuadHead output via cable (CAB-L60-4XAF)



a) M9120 Plus LP PCIe x1
b) M9120 Plus LP PCIe x16
c) M9140 LP PCIe x16
d) M9125 PCIe x16
e) M9120 PCIe x16

Find out which card is right for you.

For complete product specifications and details, please visit www.matrox.com/graphics.

	M9120 PCIe x16	M9125 PCIe x16	M9120 Plus LP x16	M9120 Plus LP x1	M9140 LP PCIe x16
Part Number	M9120-E512F	M9125-E512F	M9120-E512LPUF	M9120-E512LAU1F	M9140-E512LAF
Bus Type	PCIe x16	PCIe x16	PCIe x16	PCIe x1	PCIe x16
Graphics Memory	512MB	512MB	512MB	512MB	512MB
Card Form Factor (PCB / bracket)	ATX / ATX	ATX / ATX	LP / LP	LP / ATX	LP / ATX
Extra bracket in the box	None	None	ATX	LP	LP
Card Dimensions¹	6.6" (L) x 4.376" (H)	6.6" (L) x 4.376" (H)	6.6" (L) x 2.7" (H)	6.6" (L) x 2.7" (H)	6.6" (L) x 2.7" (H)
Connectors	DVI-I x 2	DVI-I x 2	LFH-60	LFH-60	KX-20
Adapter Cables	None	None	LFH-60 to 2 x DVI-I	LFH-60 to 2 x DVI-I	KX-20 to 4 x DVI-I
Connector Adapters	2 DVI-1 to HD15	4 DVI-1 to HD15			
Max Display Outputs per Card	2	2	2 (4 with quad analog upgrade cable)	2 (4 with quad analog upgrade cable)	4
Supported Display Output Types	DVI SL, Analog	DVI SL, DVI DL, Analog	DVI SL, Analog	DVI SL, Analog	DVI SL, Analog
Max Digital Resolution per Output	1920x1200	Up to 1920x1200 and 2560x1600	1920x1200	1920x1200	1920x1200
Max Analog Resolution per Output	2048x1536	2048x1536	2048x1536 (1920x1200 with quad analog upgrade cable)	2048x1536 (1920x1200 with quad analog upgrade cable)	1920x1200
Independent Desktop Mode	Yes	Yes	Yes	Yes	Yes
Stretched Desktop Mode	Yes	Yes	Yes	Yes	Yes
Pivot Support	Yes	Yes ³	Yes	Yes	Yes
Passive Cooling	Yes	Yes	Yes	Yes	Yes
Unified Driver Package	Yes	Yes	Yes	Yes	Yes
PowerDesk Software	Yes	Yes	Yes	Yes	Yes
EMC Certifications	Class B				
Aftermarket Cable Upgrades	None	None	Quad analog output cable (Part # CAB-L60-4XAF)	Quad analog output cable (Part # CAB-L60-4XAF)	None
Supported Operating Systems	Windows XP (32/64bit), Windows Vista (32/64bit), Windows Server 2003/2008 (32/64bit)	Windows XP (32/64bit), Windows Vista (32/64bit), Windows Server 2003/2008 (32/64bit)	Windows XP (32/64bit), Windows Vista (32/64bit), Windows Server 2003/2008 (32/64bit)	Windows XP (32/64bit), Windows Vista (32/64bit), Windows Server 2003/2008 (32/64bit)	Windows XP (32/64bit), Windows Vista (32/64bit), Windows Server 2003/2008 (32/64bit)
Open GL support	2.0	2.0	2.0	2.0	2.0
Environmental	RoHS directive and WEEE directive compliant				
Warranty²	3 years				

¹ Card size = length, not including bracket and bracket connector x height, including slot connector. Card width is within specifications for a single card of the given type.

² Please visit the Matrox web site for full product Limited Warranty information.

³ Maximum resolution of 1920 x 1200 supported.

Learn More or Purchase

Matrox Graphics offers a wide range of specialized graphics solutions for professional markets such as finance, digital media, medical imaging, and enterprise computing. For more information about the entire Matrox Graphics product line, visit www.matrox.com/graphics.

To locate the local office nearest to you, visit www.matrox.com/graphics/contact. For product support, contact your Matrox representative or visit www.matrox.com/graphics/support.

North America: 800-361-1408
International: 514-822-6366
Email: graphics@matrox.com

Matrox reserves the right to change specifications without notice. All trademarks and trade names, service marks and logos referenced herein belong to their respective companies.
SGE-5432-D October 2008

matrox[®]
Graphics for Professionals