

Matrox M-Series™

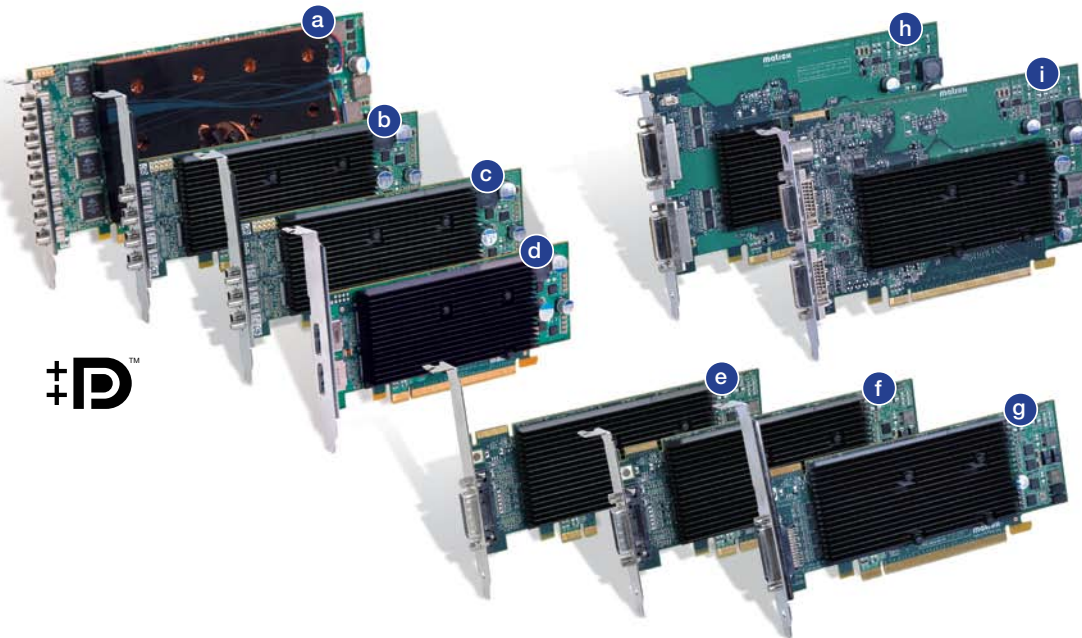
Drive Multi-Display Applications with Extraordinary Performance

Matrox M-Series multi-display graphics cards support up to eight high-resolution monitors and deliver advanced desktop management features to drive business, industrial, and government applications with extraordinary performance.

Key features:

- **Up to 2 GB of memory**
For enhanced performance in demanding multi-monitor applications
- **Native PCI Express (PCIe) x16 performance**
Maximum bandwidth to ensure best performance
- **Joined graphics card mode**
Add multiple M-Series cards to support up to 16 monitors from a single computer¹
- **Stretched and independent desktop modes**
Supported in both Microsoft® Windows® 7², Vista®, and XP
- **Pristine image quality for high resolution monitors**
DisplayPort and dual-link DVI cards support up to 2560 x 1600; DVI single-link/analog cards support up to 1920 x 1200
- **Low profile and ATX form factors**
To fit in a wide variety of systems
- **Easy deployment and wide enterprise flexibility**
Unified driver package compatible with other Matrox products
- **Multiple operating system support**
Display drivers for Windows 7, Vista (32/64bit), XP (32/64bit), Server 2003/2008 (32/64 bit) and Linux

¹ Operating system, system hardware, and driver compatibility need to be verified for large monitor configuration arrays
² Under Windows 7 stretched desktop mode is not currently supported



- a) M9188 PCIe x16
- b) M9148 LP PCIe x16
- c) M9138 LP PCIe x16
- d) M9128 LP PCIe x16
- e) M9120 Plus LP PCIe x1
- f) M9120 Plus LP PCIe x16
- g) M9140 LP PCIe x16
- h) M9125 PCIe x16
- i) M9120 PCIe x16

Find out which card is right for you.

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

	Dual Monitor ATX		Dual Monitor Low Profile			Triple Monitor Low Profile	Quad Monitor Low Profile		Octal Monitor ATX
	M9120 PCIe x16	M9125 PCIe x16	M9120 Plus PCIe x16	M9120 Plus LP PCIe x1	M9128 LP PCIe x16	M9138 LP PCIe x16	M9140 LP PCIe x16	M9148 LP PCIe x16	M9188 PCIe x16
Part Number	M9120-E512F	M9125-E512F	M9120-E512LPUF	M9120-E512LAU1F	M9128-E1024LAF	M9138-E1024LAF	M9140-E512LAF	M9148-E1024LAF	M9188-E2048F
Bus Type	PCIe x16	PCIe x16	PCIe x16	PCIe x1	PCIe x16	PCIe x16	PCIe x16	PCIe x16	PCIe x16
Graphics Memory	512MB	512MB	512MB	512MB	1024MB	1024MB	512MB	1024MB	2048MB
Card Form Factor (PCB / bracket)	ATX / ATX	ATX / ATX	LP / LP	LP / ATX	LP / ATX	LP / ATX	LP / ATX	LP / ATX	ATX
Extra bracket in the box	—	—	ATX	LP	LP	LP	LP	LP	—
Card Dimensions ¹	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)	6.6" (L) x 2.7" (H)	6.6" (L) x 2.7" (H)	6.6" (L) x 2.7" (H)	9.0" (L) x 4.4" (H)
Connectors	DVI-I x 2	DVI-I x 2	LFH-60	LFH-60	2 x DP	3 x miniDP	KX-20	4 x miniDP	8 x miniDP
Adapter Cables	—	—	LFH-60 to 2 x DVI-I	LFH-60 to 2 x DVI-I	—	3 x miniDP to DP	KX-20 to 4 x DVI-I	4 x miniDP to DP 4 x DP to DVI-D	8 x miniDP to DP 8 x DP to DVI-D
Connector Adapters	2 DVI-1 to HD15	2 DVI-1 to HD15	2 DVI-1 to HD15	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)	2	3	4	4	8
Supported Display Output Types	DVI SL, Analog	DVI SL, DVI DL, Analog	DVI SL, Analog	DVI SL, Analog	DP, DVI SL ²	DP, DVI SL ²	DVI SL, Analog	DP, DVI SL	DP, DVI SL
Max DVI Resolution per Output	1920x1200	Up to 1920x1200 and 2560x1600	1920x1200	1920x1200	1920x1200	1920x1200	1920x1200	1920x1200	1920x1200
Max DisplayPort Resolution per Output	—	—	—	—	2560x1600	2560x1600	—	2560x1600	2560x1600
Independent Desktop Mode	Yes		Yes			Yes	Yes		Yes
Stretched Desktop Mode	Yes		Yes			Yes	Yes		Yes ³
Pivot Support	Yes	Yes ³	Yes			Yes	Yes		Yes
Passive Cooling	Yes		Yes			Yes	Yes		No
Unified Driver Package	Yes		Yes			Yes	Yes		Yes
PowerDesk Software	Yes		Yes			Yes	Yes		Yes
EMC Certifications	Class B		Class B			Class B	Class B		Class B
Aftermarket Cable Upgrades	—		Quad analog output cable (CAB-L60-4XAF)	Quad analog output cable (CAB-L60-4XAF)	DP to DVI-D	DP to DVI-D	—		—
Supported Operating Systems	Windows 7, Vista (32/64bit), XP (32/64bit), Server 03/08 (32/64bit), Linux		Windows 7, Vista (32/64bit), XP (32/64bit), Server 03/08 (32/64bit), Linux			Windows 7, Vista (32/64bit), XP (32/64bit), Server 03/08 (32/64bit), Linux	Windows 7, Vista (32/64bit), XP (32/64bit), Server 03/08 (32/64bit), Linux		Windows 7, Vista (32/64bit), XP (32/64bit), Server 03/08 (32/64bit), Linux
Open GL support	2.0		2.0			2.0	2.0		2.0
DirectX support	9		9			9	9		—
Environmental	RoHS and WEEE compliant		RoHS and WEEE compliant			RoHS and WEEE compliant	RoHS and WEEE compliant		RoHS and WEEE compliant
Warranty ⁴	3 years		3 years			3 years	3 years		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. ⁴ Requires DP to DVI-D cable (sold separately). ⁵ Not currently supported under Windows 7.

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 Corporate Headquarters: 1 800-361-1408 or 514-822-6000
 United Kingdom: +44 (0) 1895 827260
 Deutschland: +49 89 62170-444
 Email: graphics@matrox.com

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