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Matrox **M-Series**™

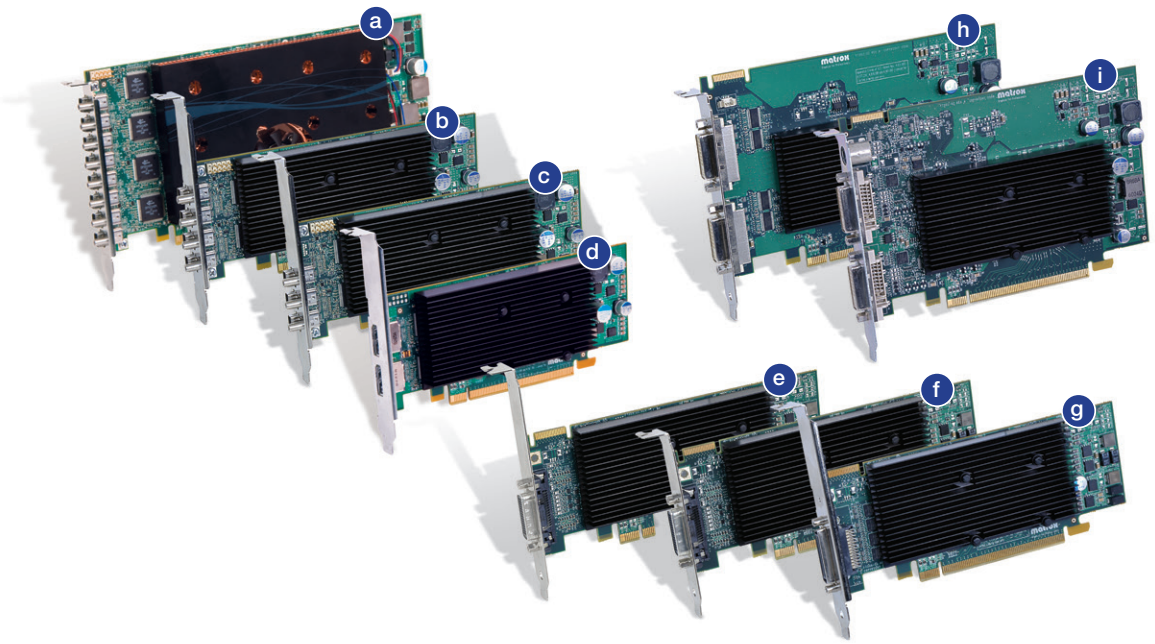
Drive Multi-Display Applications with Extraordinary Performance

Matrox M-Series multi-display graphics cards support up to eight high-resolution monitors from a single board and deliver advanced desktop management features to drive productivity, collaboration, and stability across business, industrial, and government applications.

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 computer[1]
- **DisplayPort™, DVI, and Analog support**
  Select from a variety of graphics cards to suit your requirements
- **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
- **Stretched and independent desktop modes**
  Supported in Microsoft® Windows® 7, Vista®, and XP
- **Edge Overlap for multi-projector blending**
  Included with Matrox PowerDesk desktop management software, supported by Matrox Windows 7 WDDM drivers (version 4.x)
- **Easy deployment and wide enterprise flexibility**
  Unified driver package compatible with other Matrox products
- **Multiple operating system support**
  Display drivers for Microsoft® Windows® 7/8, Vista, XP, Embdedded Standard 7, Server 2003/2008/2012, Server 2008 R2 and Linux®

[1] *Operating system, system hardware, and driver compatibility need to be verified for large monitor configuration arrays.*



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	2 x DVI-I	2 x DVI-I	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-I to HD15	2 DVI-I to HD15	2 DVI-I to HD15	2 DVI-I to HD15	—	—	4 DVI-I 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 Resolution per Output DVI	1920x1200	1920x1200 2560x1600	1920x1200	1920x1200	1920x1200 2560x1600	1920x1200 2560x1600	1920x1200	1920x1200 2560x1600	1920x1200 2560x1600
Max Resolution per Output DisplayPort™	—	—	—	—			—		
Passive Cooling	✓		✓			✓	✓		—
Unified Driver Package	✓		✓			✓	✓		✓
PowerDesk Software	✓		✓			✓	✓		✓
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	Microsoft® Windows® 7/8, Windows Vista, Windows XP, Windows Embedded Standard 7, Windows Server 2003/2008/2012, Windows Server 2008 R2 and Linux[3]								
Open GL 2.0 support	✓		✓			✓	✓		✓
DirectX 9 support	✓		✓			✓	✓		—
Environmental RoHS and WEEE	✓		✓			✓	✓		✓
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] Requires DP to DVI-D cable (sold separately). [3] M-Series cards support a wide range of Linux operating systems. Refer to the README file in the driver download section for compatible Linux distributions or contact Matrox directly. [4] Please visit the Matrox web site for full product Limited Warranty information.

PowerDesk Software Features available with all M-Series Graphics Cards

- Stretched (spanned) Desktop
- Independent Mode
- Edge Overlap for multi-projector blending
- Desktop Divider
- Matrox Pivot (Display Rotation)
- Matrox Clone
- Desktop Zoom with Feature Display
- Advanced Desktop Management
- Bezel Management
- Mode Management
- Unattended Install (User Profiles)
- M-Series multi-card support
- Joined graphics card mode

Learn More or Purchase
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Email: graphics@matrox.com

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