

Matrox M9120-E512LAU1F

Matrox M9120-E512LAU1F Video Card User Manual

Model: M9120-E512LAU1F

Brand: Matrox

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Matrox M9120-E512LAU1F Video Card. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

The Matrox M9120-E512LAU1F is a high-performance graphics card designed for professional environments, offering high-resolution dual monitor support and universal PCI Express compatibility. It features 512MB DDR2 memory and DVI video output interface.

2. SAFETY INFORMATION

Always handle the video card by its edges to avoid touching sensitive components. Ensure your system is powered off and unplugged before installation. Observe proper electrostatic discharge (ESD) precautions to prevent damage to the card or other computer components.

This product complies with RoHS (Restriction of Hazardous Substances) and WEEE (Waste Electrical and Electronic Equipment) directives, ensuring environmentally responsible manufacturing and disposal.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Matrox M9120-E512LAU1F Video Card
- Driver CD (or link to driver download)
- Low-profile bracket (if applicable for your system)
- Quick Start Guide

4. SETUP AND INSTALLATION

4.1 System Requirements

- Available PCI Express x1, x4, x8, or x16 slot
- Compatible operating system (e.g., Windows, Linux)
- Sufficient power supply for your system configuration
- Monitor(s) with DVI or VGA input (adapter may be required for VGA)

4.2 Hardware Installation

1. Power off your computer and unplug the power cord from the wall outlet.
2. Open the computer case according to your system's manufacturer instructions.
3. Locate an available PCI Express slot on your motherboard. The M9120-E512LAU1F is a PCI Express x1 card, compatible with any larger PCIe slot.
4. Remove the metal slot cover from the chosen PCI Express slot on the back of your computer case.
5. Carefully insert the Matrox M9120-E512LAU1F video card into the PCI Express slot, applying even pressure until it is fully seated.
6. Secure the card with the retaining screw or clip provided by your computer case.
7. Close the computer case and reconnect the power cord and monitor cables.



Image 1: The Matrox M9120-E512LAU1F video card, showcasing its low-profile design, heatsink, and DVI output port. This image provides a visual reference for the product's appearance during installation.

4.3 Driver Installation

1. Power on your computer. The operating system may detect new hardware.
2. Insert the driver CD (if included) or download the latest drivers from the official Matrox website: matrox.com/graphics/en/support/drivers/.
3. Follow the on-screen instructions provided by the driver installation wizard to complete the process.
4. Restart your computer after the driver installation is complete to apply all changes.

5. OPERATING INSTRUCTIONS

5.1 Connecting Displays

The Matrox M9120-E512LAU1F supports dual monitors. Connect your DVI or VGA monitors (using an appropriate adapter if necessary) to the corresponding ports on the video card. Ensure cables are securely fastened.

5.2 Display Configuration

After successful driver installation, you can configure your display settings through your operating system's display configuration utility:

- **Windows:** Right-click on the desktop, then select "Display settings" or "Screen resolution."
- **Linux:** Use your desktop environment's display configuration tool (e.g., GNOME Display Settings, KDE System Settings, or xrandr commands).

You can set up various display modes, including extended desktop (to expand your workspace across two monitors),

mirrored display (to show the same content on both monitors), or single display modes. The card supports resolutions up to 1920 x 1200 (Digital) and 2048 x 1536 (Analog) per output.

6. MAINTENANCE

The Matrox M9120-E512LAU1F is designed for low maintenance and reliable operation.

- **Cleaning:** Periodically clean dust from the heatsink and any fan (if present) using compressed air. Always ensure the computer is powered off and unplugged before performing any cleaning inside the case.
- **Driver Updates:** Regularly check the official Matrox website for updated drivers. Keeping your drivers current ensures optimal performance, compatibility with new software, and access to the latest features and bug fixes.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display output	Card not seated properly; incorrect monitor connection; missing or incorrect drivers; monitor input not selected.	Ensure the card is fully seated in the PCIe slot. Check all monitor cables are securely connected. Install or update the correct drivers. Verify your monitor is set to the correct input source (DVI/VGA).
Low resolution or incorrect display settings	Incorrect display settings in OS; outdated or generic drivers.	Adjust display settings in your operating system to the desired resolution. Update graphics drivers from the Matrox website.
System instability or crashes after installation	Driver conflict with previous graphics drivers; insufficient power supply; hardware conflict.	Ensure all previous graphics drivers are completely uninstalled before installing Matrox drivers. Verify your power supply meets the minimum requirements for your system. Check for other conflicting hardware.
Dual monitors not detected	Cables not connected properly; display settings not configured for dual monitors; driver issue.	Confirm both monitor cables are securely connected to the video card. Configure display settings in your OS to extend or duplicate displays. Reinstall or update drivers.

8. SPECIFICATIONS

- **Model:** M9120-E512LAU1F
- **Graphics Processor:** AMD GPU
- **Graphics RAM Size:** 512 MB DDR2
- **Video Output Interface:** DVI
- **Bus Type:** PCI Express x1 (compatible with x1, x4, x8, x16 slots)
- **Max Digital Resolution:** 1920 x 1200 per output
- **Max Analog Resolution:** 2048 x 1536 per output
- **Form Factor:** Low Profile/ATX
- **Compliance:** RoHS, WEEE
- **First Available Date:** June 21, 2016

9. SUPPORT AND WARRANTY

9.1 Technical Support

For technical assistance, driver downloads, and frequently asked questions, please visit the official Matrox support website or contact their customer service directly.

Matrox Support Website: <https://www.matrox.com/graphics/en/support/>

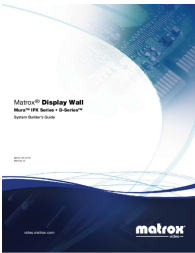
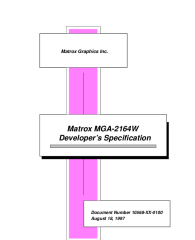
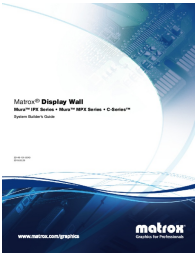
9.2 Warranty Information

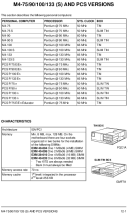
This Matrox product is covered by a standard limited warranty. Please refer to the warranty documentation included with your product packaging or visit the Matrox website for detailed terms and conditions, including warranty period and coverage specifics.

Note: Warranty terms may vary by region and retailer. Always retain your proof of purchase for any warranty claims.

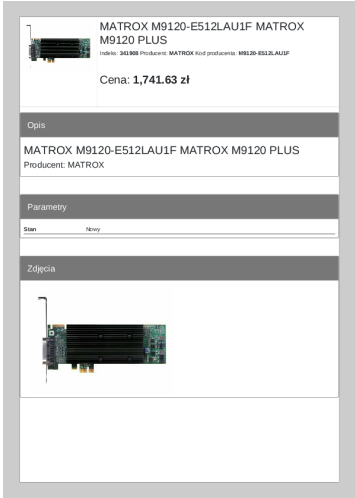
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Related Documents - M9120-E512LAU1F

	Matrox Display Wall System Builder's Guide: Mura IPX & D-Series A comprehensive guide for building Matrox display wall systems, detailing the Mura IPX Series and D-Series products, validated platforms, hardware specifications, and system integration best practices.
	Matrox MGA-2164W Developer's Specification for Graphics Acceleration Comprehensive technical specification for the Matrox MGA-2164W 3D graphics accelerator, detailing its features, architecture, programming interfaces, and support for PCI and AGP buses. Includes information for developers on graphics and video acceleration.
	SHIMANO 2022 Bicycle Components Trade Sales & Support Manual Official 2022 trade sales and support manual for SHIMANO bicycle components, detailing product lines, specifications, and technical information for various cycling disciplines including Road, MTB, Gravel, and Urban.
	Matrox Display Wall System Builder's Guide: Mura IPX, MPX, and C-Series This comprehensive guide from Matrox provides essential technical details and configuration information for building advanced display wall systems. It covers the Mura™ IPX Series, Mura™ MPX Series, and C-Series™ product lines, offering in-depth insights for system integrators and professionals.

	M4-75/90/100/133 (S) and PCS Versions: Technical Specifications and Compatibility Detailed technical specifications, hardware compatibility, software compatibility, and motherboard jumper configurations for the M4-75/90/100/133 (S) and PCS personal computer versions.
	Matrox DSX Core Installation and User Guide Comprehensive guide for installing, configuring, and using Matrox DSX Core software, covering system requirements, licensing, SDK modules, license management applications, and technical support.

Documents - Matrox – M9120-E512LAU1F

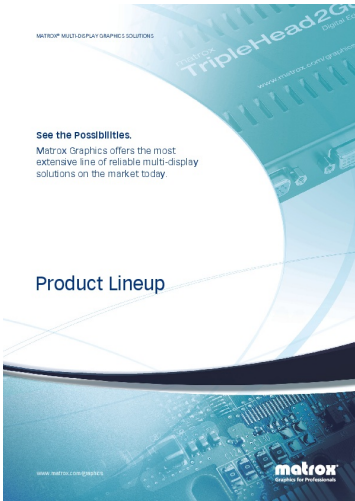


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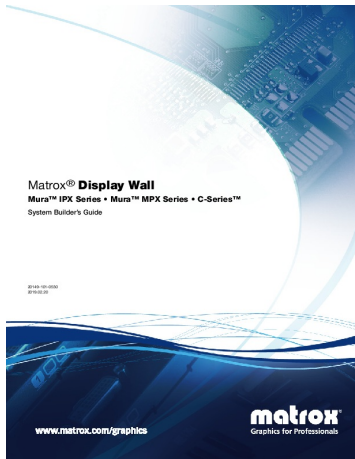
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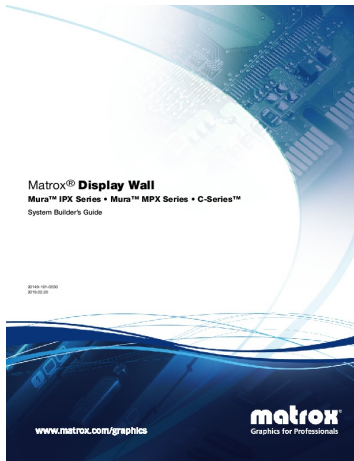


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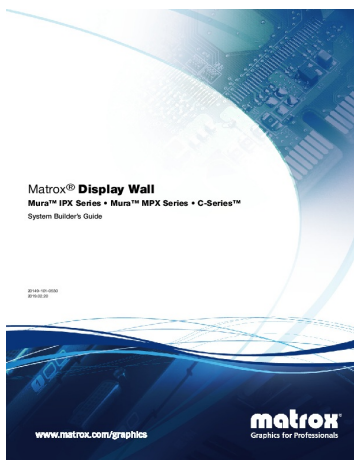
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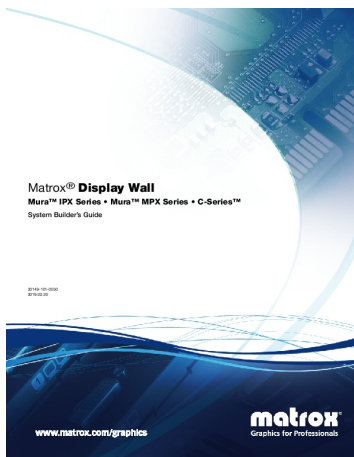
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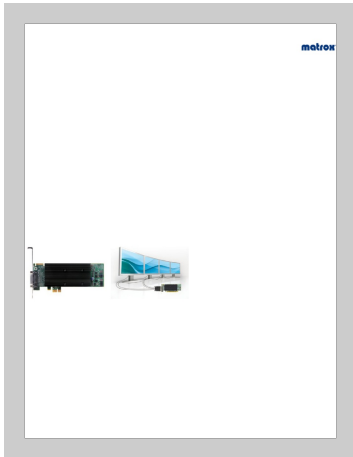
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This comprehensive guide from Matrox provides essential technical details and configuration information for building advanced display wall systems. It covers the Mura™ IPX Series, Mura™ MPX Series, and C-Series™ product lines, offering in-depth insights for system integrators and professionals.

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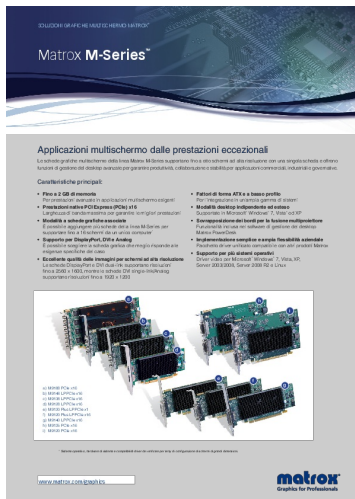
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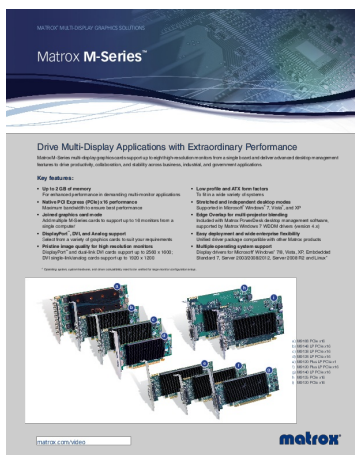
Aggiungere un monitor di servizio al video wall Installare una scheda grafica in un processore basat ... : M9125-E512F Matrox M9120 Plus LP PCIe x1 Supporta 2 schermi DisplayPort o DVI SL Codice prodotto: **M9120-E512LAU1F** Matrox M9140 LP PCIe x16 Supporta 2 schermi DisplayPort o DVI SL Codice prodotto: M...
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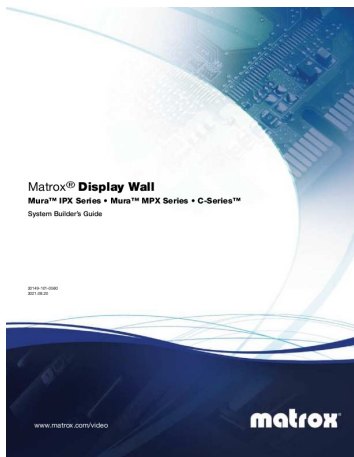
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Matrox multi-display graphics solutions Matrox M-Series™ Drive Multi-Display Applications with Ext ... P PCIe x16 M9148 LP PCIe x16 M9188 PCIe x16 Part Number M9120-E512F M9125-E512F M9120-E512LPUF **M9120-E512LAU1F** M9128-E1024LAF M9138-E1024LAF M9140-E512LAF M9148-E1024LAF M9188-E2048F Bus Typ...

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[pdf] Datasheet

Data sheet Matrox M9120 Plus LP x1 512MB DDR2 LFH60 low profile E512LAU1F starting from £ 305 05

2023 Price Comparison Skinflint UK 44f860608ba0857f685fc0b0ef144ebecf3 gzhlis at blob ldb 9 8 3 |||

MATROX MULTI-DISPLAY GRAPHICS SOLUTIONS Matrox M-Series™ Drive Multi-Display Applications with Ext ... 1920x1200 -- 3 3 3 Class B Aftermarket Cable Upgrades -- M9120-E512LPUF PCIe x16 512MB LP / LP **M9120-E512LAU1F** PCIe x1 512MB LP / ATX M9128-E1024LAF PCIe x16 1024MB M9138-E1024LAF PCIe x16 1024...

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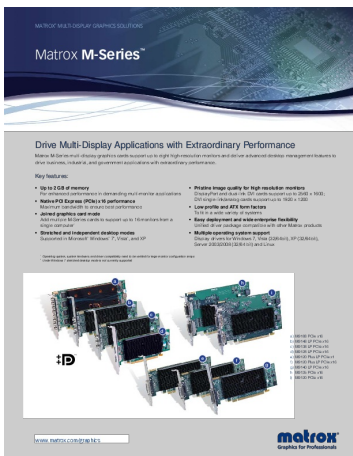
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Matrox-Multi-Display-Grafikslungen Matrox M-Series™ Multi-Display Anwendungen in Perfektion Die Ma ... P PCIe x16 M9148 LP PCIe x16 M9188 PCIe x16 Teilenummer M9120-E512F M9125-E512F M9120-E512LPUF **M9120-E512LAU1F** M9128-E1024LAF M9138-E1024LAF M9140-E512LAF M9148-E1024LAF M9188-E2048F Bus PCIe ...

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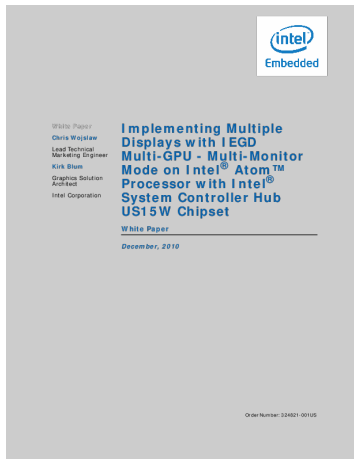
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Low Profile Slot Belegung Single Grafikspeicher Grösse 1 GB Kühlungstyp Passiv Schnittstelle PCI

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Matrox multi-display graphics solutions Matrox M-Series™ Drive Multi-Display Applications with Ext ... ectors M9120-E512F PCIe x16 512MB ATX / ATX M9125-E512F PCIe x16 512MB ATX / ATX M9120-E512LPUF **M9120-E512LAU1F** PCIe x16 PCIe x1 512MB 512MB LP / LP LP / ATX -- -- ATX 6.6 L x 4.376 ...

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[pdf] Guide

Implementing Multiple Displays with IEGD Multi GPU Monitor Mode on Intel® Atom™ Processor System Controller Hub US15W Chipset White Paper Intel Corporation multi gpu monitor paper intel de content dam www public us en documents white papers

White Paper Chris Wojcik Lead Technical Marketing Engineer Kirk Blum Graphics Solution Architect In ... A , CH7019,* CH7320* or Silicon Image: Sil 1362* and Sil 1364* DVI out Output #3: Matrox PCIe x1 **M9120-E512LAU1F** Graphics Card Output #4: Matrox PCIe x1 **M9120-E512LAU1F** Graphics Card Output #5: Mat...
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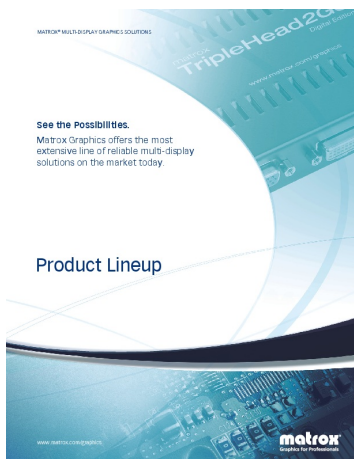
SKU	Description	Unit Price
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M9120-E512F-2	Matrox M9120-E512F-2 Graphics Card	\$ 1,120.00
M9120-E512F-3	Matrox M9120-E512F-3 Graphics Card	\$ 1,120.00
M9120-E512F-4	Matrox M9120-E512F-4 Graphics Card	\$ 1,120.00
M9120-E512F-5	Matrox M9120-E512F-5 Graphics Card	\$ 1,120.00
M9120-E512F-6	Matrox M9120-E512F-6 Graphics Card	\$ 1,120.00
M9120-E512F-7	Matrox M9120-E512F-7 Graphics Card	\$ 1,120.00
M9120-E512F-8	Matrox M9120-E512F-8 Graphics Card	\$ 1,120.00
M9120-E512F-9	Matrox M9120-E512F-9 Graphics Card	\$ 1,120.00
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M9120-E512F-11	Matrox M9120-E512F-11 Graphics Card	\$ 1,120.00
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M9120-E512F-14	Matrox M9120-E512F-14 Graphics Card	\$ 1,120.00
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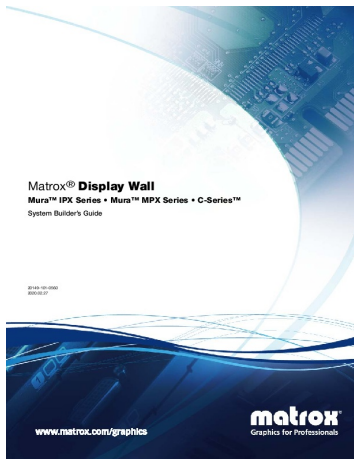
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[pdf] Guide Declaration of Conformity

Matrox Mura System Builder s Guide Graphics Inc Doc 25111280 media eetgroup documents Display Wall Matrox® Mura™ IPX Series † MPX C Series™ 20149 101 0560 2020 02 27 mmo 32018092 1587198485 7922 13793 eet eu icmedia

Matrox Display Wall Mura™ IPX Series Mura™ MPX Series C-Series™ System Builder s Guide 20149-10 ... 5-E512F * Matrox M9120 Plus LP PCIe x16 P/N: M9120-E512LPUF * Matrox M9120 Plus LP PCIe x1 P/N: **M9120-E512LAU1F** * Matrox M9120 PCIe 16 P/N: M9120-E512F * Matrox P690 PCIe 16 P/N: P69-MDDE128F ... lang:sw score:26 filesize: 4.64 M page_count: 195 document date: 2020-02-27

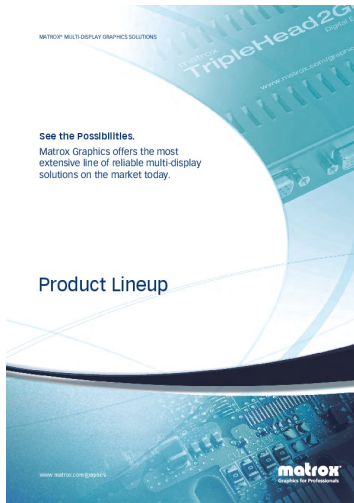


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Matrox Graphics M9120 E512LAU1F Product Data Sheet Brochure Plus LP card 512 MB DDR2 PCIe low profile 7e22c243 35f1 4006 b274 a5b234ce3539 cdn cnetcontent 7e 22 |||

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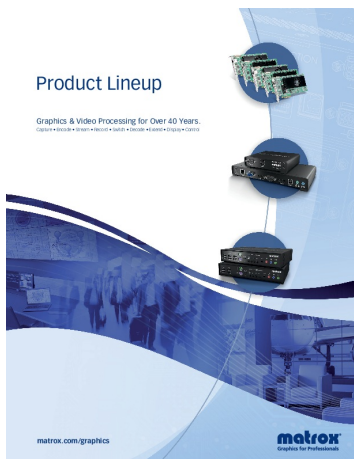
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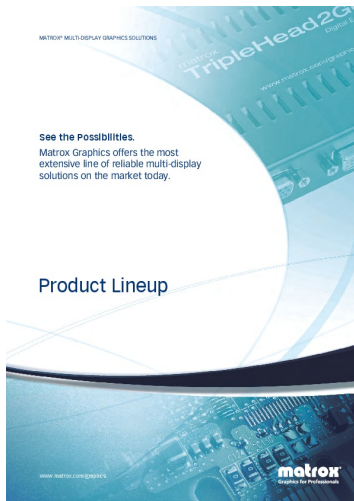
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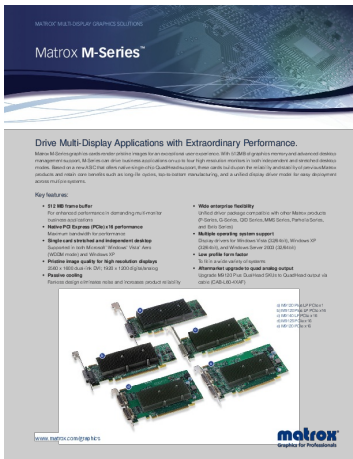


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See the Possibilities Prodimex SA Product Part Number Max of Displays Card Type Graphics Form Factor On Board Maximum Resolutions Per Display Optional Adapter Cable Upgrade s 3 sold separately DisplayPort DVI Analog Total Memory Bracket Connectors Description M Series Low power consumption matrox triplehead2go dp edition t2g mif 50273 en prodimex ch |||

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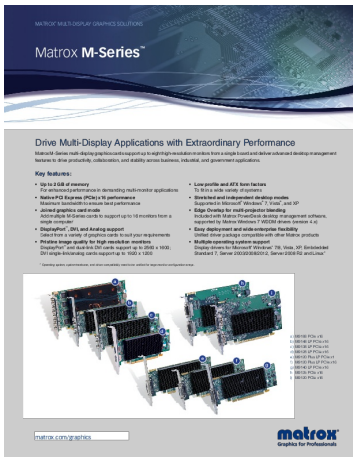
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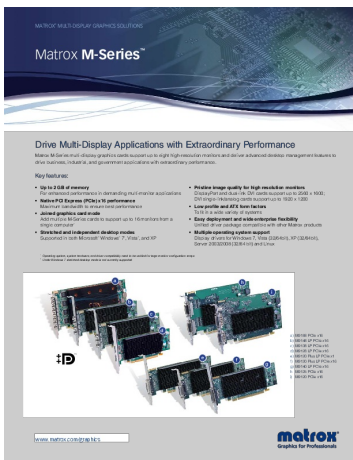
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Matrox multi-display graphics solutions Matrox M-Series™ Drive Multi-Display Applications with Ext ... LP x16 M9120 Plus LP x1 M9140 LP PCIe x16 Part Number M9120-E512F M9125-E512F M9120-E512LPUF **M9120-E512LAU1F** M9140-E512LAF Bus Type Graphics Memory Card Form Factor PCB / bracket Extra brac... lang:en score:24 filesize: 658.86 K page_count: 2 document date: 2008-11-05



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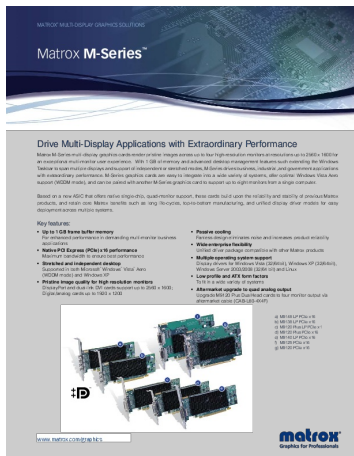
Specifications Datasheet Borchure Product Data Sheet BrochureMatrox M9138 Graphics card Overview Specs Details SHI337461a9 b54e 471f a01d 3ce2a4bccd88cdn cs 1worldsync 33 74 337461a9 3ce2a4bccd88 ||| Matrox multi-display graphics solutions Matrox M-Series™ Drive Multi-Display Applications with Ext ... P 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 Typ... lang:en score:24 filesize: 712 K page_count: 2 document date: 2014-06-13



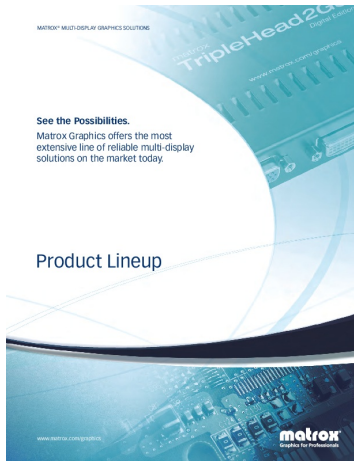
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Matrox multi-display graphics solutions Matrox M-Series™ Drive Multi-Display Applications with Ext ... ectors M9120-E512F PCIe x16 512MB ATX / ATX M9125-E512F PCIe x16 512MB ATX / ATX M9120-E512LPUF **M9120-E512LAU1F** PCIe x16 PCIe x1 512MB 512MB LP / LP LP / ATX -- -- ATX 6.6 L x 4.376 ... lang:en score:24 filesize: 241.07 K page_count: 2 document date: 2009-11-12



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Preisliste vom 17.08.2022



[Lieske Industry-Electronics Preisliste: Computerkomponenten, Server & Zubehör](#)

Umfassende Preisliste von Lieske Industry-Electronics (17.08.2022) mit Computerkomponenten, Barebone-Systemen, Servern, Eingabegeräten und Zubehör von Marken wie ASUS, Intel, Supermicro, Logitech, Cherry und mehr.

lang:tl score:11 filesize: 3.96 M page_count: 324 document date: 2022-08-17