MXRV-7100

16GB, future-proof display controller for GPU-intensive PACS



- **NVIDIA accelerated computing platform**
- **16GB DDR6 display memory with ECC error correction**
- **224 GB/s memory bandwidth**
- **4x Mini-DisplayPort 1.4 (mDP to DP locking adapters included)**
- **Maximum power consumption: 50W**
- **5-year all-inclusive warranty and service support**

High-capacity graphics, ultra-efficient design

With its small size of 69mm x 168 mm, the Barco MXRV-7100 combines powerful graphics performance with an ultra-efficient, low-profile form factor. Equipped with 16GB of DDR6 ECC memory and PCIe Gen4 x8 interface, it offers exceptional bandwidth and responsiveness for demanding imaging applications.

Powered by an NVIDIA accelerated computing platform, the MXRV-7100 graphics card offers an easy way to step into the AI ecosystem and run edge applications on your Barco diagnostic display.

With native DisplayPort connectivity, OpenGL 4.6 support, and no need for an external power connector, this medical-grade graphics card is optimized for modern Windows 10/11 environments. The MXRV-7100 is covered by Barco's 5-year all-inclusive warranty, delivering premium performance with access to Barco's Intuitive Workflow Tools and including dependable support by the Barco team.

Product specifications	MXRV-7100
General specifications	
Bus compatibility	PCI Express Gen4 x8
Power consumption	50 Watt
Form factor	2.7 inches x 6.6 inches, single-slot
Operating system	Windows 10/11 & Server 2019/2022
Platforms	Intel® and AMD architectures
Power Connector	No external power connectors
Graphics accelerator	NVIDIA® Ada Lovelace® GA107
Display memory	GDDR6 16GB
Memory bandwidth	224 GB/s
Pixel depth	32-bit pixels (supports 8-bit and 10-bit per color channel)
Electrical standard	DisplayPort v1.4 (uncompressed)
Direct3D hardware support	DirectX 12.07, Shader Model 5.17, Vulkan 1.2
OpenGL hardware support	OpenGL 4.6
Connectors	4x Mini DisplayPort
Connectivity	Native DisplayPort suggested, DisplayPort to Single-link DVI adapter available separately
Operational temperature	0° to 45°C ambient

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