MXRT-8700

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

- **Optimal performance**

- **Reliable longevity**

- **Guaranteed workflow support**

Flagship GPU for today's workflow & tomorrow's diagnostic challenges

Delivering uncompromised features, performance, and reliability, the Barco MXRT-8700 graphics card is designed to handle the most demanding diagnostic workflows and complex image data sets. Available exclusively from Barco, the platform packages 16GB of graphics memory while driving six DisplayPort 1.4 in a single PCI slot, making it is the ideal solution for facilities using advanced multi-display production-level reading stations.

Accelerate your workflow application responsiveness and data transfer with 2304 stream processors, 224 GB/s memory bandwidth and PCIe® 3.0 support. Key features include industry-leading 6 display ports to cover a wide array of display configurations, 16GB DDR5 memory for larger PACS data loading, EDID emulation for multi-workstation configurations, and 30-bit color depth support.

Please consult your Barco representative to confirm validated configurations and availability in your region.

- 16GB GDDR5 display memory

- 224 GB/s memory bandwidth

- 256-bit memory interface

- 6 mini DisplayPorts 1.4 (4 mDP to DP locking adapters included)

- Maximum power consumption: 130W (6-pin)

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PRODUCT SPECIFICATIONS	MXRT-8700
Bus compatibility	PCIe Gen3 x16
Power consumption	130 W
Form factor	241mm (L) x 112mm (H) single wide PCIe slot
Operating system	Windows 7 (64-bit), Windows 10 (64-bit)
Platforms	Intel® and AMD architectures
Power Connector	One 2x3 power connector
Graphics accelerator	AMD Radeon Pro™
Display memory	16GB DDR5
Memory interface	256-bit
Memory bandwidth	224 GB/s
Pixel depth	32-bit pixels (10-bit grayscale and 30-bit color)
Electrical standard	DisplayPort (DP) v1.4
Direct3D hardware support	Microsoft® DirectX v12, Vulkan® 1.1, Shader Model 5.1
OpenGL hardware support	OpenGL 4.5
Connectors	(6x) Mini-DisplayPort 1.4
Approvals and compliance	FCC Part 15 Class B, CE EN 55032 Limit B, EN 55024, UL-60950-1, BMSI CNS, CISPR-32/24, IEC609050-1, VCCI, CSA C22.2, EU RoHS directive (2011/65/EU), Certificate of Information & Communication Equipment (Republic of Korea)
Connectivity	Native DisplayPort suggested DisplayPort to Single-link DVI adapter available separately (4x) Mini-DP to DP locking adapters included
Operational temperature	0° to 55°C

Last updated: 29 Mar 2021

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.

ENABLING BRIGHT OUTCOMES

BARCO