MXRT-6700

8GB high-performance display controller

- **Optimal performance**

- **Reliable longevity**

- **Guaranteed workflow support**

Ultimate solution for mainstream diagnostic imaging

The high-performing Barco MXRT-6700 graphics card is a versatile solution with the power and features necessary to meet most diagnostic imaging needs. With 8GB of graphics memory driving four DisplayPort v1.4 outputs, it is the ideal solution for organizations looking to standardize on one controller across their entire fleet of reading stations.

Accelerate your workflow application responsiveness with 1792 stream processors and enable more efficient data transfers between the GPU and CPU with PCIe® 3.0 support. Key features include 4 ports to cover expanded display arrays, increased memory for larger image data loading, EDID emulation for multi-workstation configurations, and Thunderbolt™ 3 compatibility for eGFX applications.

- 8GB GDDR5 display memory

- 160 GB/s memory bandwidth

- 256-bit memory interface

- 4 DisplayPorts 1.4

- Maximum power consumption: 75W

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PRODUCT SPECIFICATIONS	MXRT-6700
Bus compatibility	PCIe Gen3 x16
Power consumption	75 W
Form factor	173mm (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	None
Graphics accelerator	AMD Radeon Pro™
Display memory	8GB DDR5
Memory interface	256-bit
Memory bandwidth	160 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	(4x) 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)
Operational temperature	0° to 55°C
Connectivity	Native DisplayPort suggested DisplayPort to Single-link DVI adapter available separately

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ENABLING BRIGHT OUTCOMES

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