MXRT-4700

4GB small form factor display controller



- **Optimal performance**
- **Reliable longevity**
- **Guaranteed workflow support**

Redefining entry-level workflow

The Barco MXRT-4700 graphics card packs all the power expected from larger display controllers into a compact package capable of delivering seamless performance whether reading at the hospital or from home. With 4GB of graphics memory driving three DisplayPort 1.4 outputs, it is the ideal solution for those looking for a no-compromise, reliable professional graphics card versatile enough to drive larger resolution displays.

Accelerate your workflow application responsiveness with 512 stream processors and enable more efficient data transfers between the GPU and CPU with PCIe® 3.0 support. Key features include 3 ports to cover most basic display configurations, increased memory for larger PACS data loading, EDID emulation for multi-workstation configurations, and 30-bit color depth support in a low power, compact form factor.

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

- 4GB GDDR5 display memory
- 96 GB/s memory bandwidth
- 128-bit memory interface
- 1 DisplayPort 1.4 & 2 mini DisplayPorts 1.4 (2 mDP to DP locking adapters included)
- Maximum power consumption: <50W

PRODUCT SPECIFICATIONS	MXRT-4700
Bus compatibility	PCIe Gen3 x8
Power consumption	< 50W
Form factor	168 mm (L) x 60mm (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	4GB DDR5
Memory interface	128-bit
Memory bandwidth	96 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	(1x) DisplayPort 1.4 (2x) Mini-DisplayPort 1.4
Connectivity	Native DisplayPort suggested DisplayPort to Single-link DVI adapter available separately (2x) Mini-DP to DP locking adapter included
Operational temperature	0° to 55°C
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)

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