

MXRT-7600

High-end 3D PCIe 4-head display controller



The MXRT-7600 is a high-end 3D PCIe display controller featuring the latest AMD FirePro™ 3D technology for leading-edge performance, flexibility and reliability. Fitted with 8GB of memory and an ultra-fast GPU, the top-of-the-line MXRT-7600 presents you with unmatched processing power for large medical datasets. The MXRT-7600 supports DirectX, OpenGL, and OpenCL and is compatible with Microsoft Windows® 7, Windows® 8.1, and Windows® 10.

- 4 display outputs
- 8 GB GDDR5 display memory
- Single-wide form factor
- Powered by AMD's scalable FirePro™ workstation GPU
- Display Port (DP) 1.2 video outputs

PRODUCT SPECIFICATIONS**MXRT-7600**

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|---------------------------|---|
| Bus compatibility | PCIe Gen3 x16 |
| Power consumption | 150 W |
| Form factor | 248mm (L) x 110mm (H) single PCIe slot wide |
| Operating system | Windows 7 (32/64-bit), Windows 8.1 (64-bit), Windows 10 (64-bit) |
| Platforms | Intel® and AMD architectures |
| Power Connector | One 2x3 power connector |
| Graphics accelerator | ATI FirePro TM |
| Display memory | 8 GB GDDR5 |
| Memory interface | 256-bit |
| Memory bandwidth | 160 GB/s |
| Pixel depth | 32-bit pixels (supports 8-bit and 10-bit per color channel) |
| Electrical standard | DisplayPort (DP) complying to v1.2 |
| Direct3D hardware support | Microsoft® DirectX v11.2, Vertex Shader 5.0, Pixel Shader 5.0 |
| OpenGL hardware support | OpenGL 4.4 |
| OpenCL hardware support | OpenCL 2.0 |
| Connectors | 4-DisplayPort (DP) |
| Supported resolutions | Up to 5.8MP grayscale at full refresh rate (VGA at boot-up) |
| Approvals and compliance | FCC Part 15 Class B, EN 55022 Limit B, EN 55024, UL-60950-1, BMSI CNS, CISPR-22/24, IEC60950-1, VCCI, CSA C22.2, EU RoHS directive (2011/65/EC), Certificate of Information & Communication Equipment (Republic of Korea) |
| Operating temperature | 0° to 45°C |
| Connectivity | Native DisplayPort suggested Single-link DisplayPort or Dual-link DisplayPort to DVI-I adaptor available separately from Barco |

Last updated: 25 Aug 2020

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