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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^{TM} 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^{TM} workstation GPU
- Display Port (DP) 1.2 video outputs

Product specifications	MXRT-7600
General specifications	
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

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