MXRT-5450

Windows XP 3D PCIe Dual-DVI display controller

The MXRT-5450 is a high-performance PCIe display controller featuring AMD FirePro ™ 3D technology for leading-edge performance, flexibility and reliability. The board supports DirectX and OpenGL and is compatible with Microsoft Windows® XP and Windows® 7.

High-quality 3D imaging

The MXRT-5450 display controller delivers the performance, quality, and stability required for today's 3D imaging applications in healthcare.

The powerful GPU, based on PCIe Gen2 x16 architecture, ensures ultra-fast and smooth image loading, roaming and manipulation of images with up to 5.8MP grayscale resolution.

Flexible projection configurations

The MXRT-5450 display controller is available with Barco's Conference CloneView^{TM} software, which enables accurate projection of medical images onto a large-screen display.

The software tool ensures effortless cloning, scaling, zooming and panning of medical images on the large screen, making Barco displays and controllers perfectly suited for use in teaching hospitals, auditoriums and (tele)conference

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rooms.

Product specifications	MXRT-5450
Bus compatibility	PCIe Gen2 x16
Power consumption	74 W
Form factor	230.53mm (L) x 98.34mm (H) single PCIe slot wide
Operating system	Windows XP - 32/64-bit Windows 7 - 32/64-bit
Platforms	Intel® and AMD architectures
Graphics accelerator	ATI FirePro
Display memory	1 GB GDDR5
Memory interface	128-bit
Memory bandwidth	64 GB/s
Pixel depth	32-bit pixels (supports 8-bit and 10-bit per color channel)
Electrical standard	Dual Link DVI complying to v1.0
Direct3D hardware support	Microsoft® DirectX v11.0, Vertex Shader 5.0,Pixel Shader 5.0
OpenGL hardware support	OpenGL 4.0
Connectors	2- DVI-I
Supported resolutions	Up to 5.8MP grayscale at full refresh rate (VGA at boot-up)
Approvals and compliance	FCC Part 15 Class B, CE EN 55022 Limit B, EN 55024, UL-60950-1, BMSI CNS, CISPR-22/24, IEC609050-1, VCCI, CSA C22.2,EU RoHS directive (2002/95/EC), Certificateof Information & Communication Equipment(Republic of Korea)
Operational temperature	0° to 60°C (32° to 140° F)

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