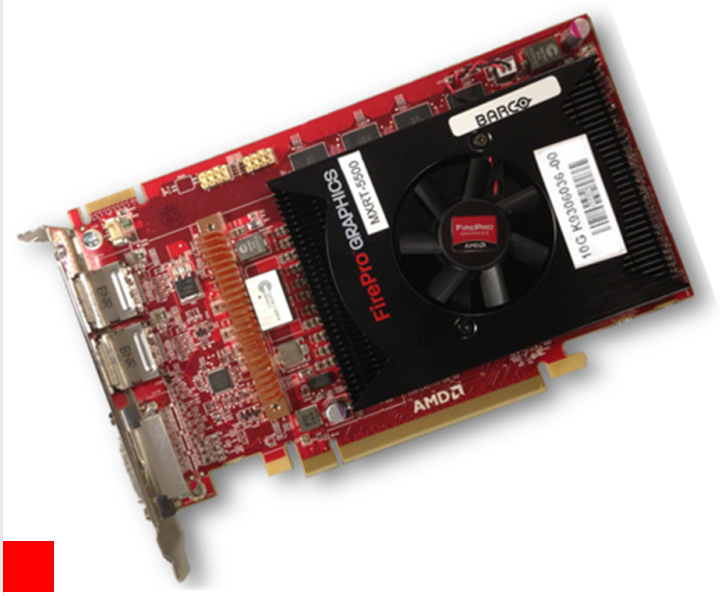
MXRT-5500

3D PCIe 3-head display controller



The high-performance MXRT-5500 allows you to drive three monitors with just one PCIe slot. As such, the board is the perfect match for PACS workstations combining two diagnostic displays with a third monitor for patient lists or 3D viewing applications.

The MXRT-5500 is compatible with the DisplayPort interface standard, which assures easy installation and ultra-fast and reliable data transfers.

Barco's MXRT display controllers work wonderfully together with:

· Conference CloneView™: 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.
· DimView™: which automatically dims the auxiliary displays used for patient worklists or dictation, reducing peripheral ambient light.
· SpotView™: which enables focused observation during readings by dimming images outside a circular region of interest and boosting the luminance while enhancing the contrast in the region of interest.
· FindCursor™: which provides a method to quickly locate the cursor on a system with multiple displays.
· SingleView™: which enables the use of the entire display as one display, and eliminates any tearing down the center of the display. This simple setting works behind the scenes to make use of current PACS software seamlessly, and allows for hanging protocols in the center of the display.

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Product specifications	MXRT-5500
Bus compatibility	PCIe Gen3 x16
Power consumption	75 W
Form factor	184.15 mm (7.2")(L) x 111 mm (4.4") (H) single PCIe slot wide
Operating system	Windows 7 - 32/64-bit Windows 8.1 - 32/64-bit
Platforms	Intel® and AMD architectures
Graphics accelerator	ATI FirePro TM
Display memory	2 GB GDDR5
Memory interface	256-bit
Memory bandwidth	102.3 GB/s
Pixel depth	32-bit pixels (supports 8-bit and 10-bit per color channel)
Electrical standard	Dual-Link DVI DisplayPort (DP) complying to v1.2
Direct3D hardware support	Microsoft® DirectX v11.1, Vertex Shader 5.0, Pixel Shader 5.0
OpenGL hardware support	OpenGL 4.2
OpenCL hardware support	OpenCL 1.2
Connectors	2- DisplayPort (DP), 1- 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, 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)
Operational temperature	0° to 60°C (32° to 140° F)
Connectivity	Single-link Passive DisplayPort (DP) to DVI-I adaptor cable (2 adaptors are included) Dual-link DisplayPort (DP) to DVI-I adaptor available from Barco; Part Number K9305104

Last updated: 27 Sep 2016
Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.