

# MXRT-4500

3D PCIe 3-head display controller



The high-performance MXRT-4500 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-4500 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.
- 3 Display Outputs
- 1 GB GDDR5 display memory
- Single-wide Form Factor
- Display Port (DP) 1.2 and DVI-I video outputs
- Powered by AMD's scalable FirePro workstation GPU

## Product specificaties

## MXRT-4500

### General specifications

Buscompatibiliteit	PCIe Gen2.1 x16
Energieverbruik	75 W
Vormgeving	163mm (L) x 97mm (H) single PCIe slot wide
Besturingssysteem	Windows 7 -32/64-bit
Platformen	Intel® and AMD architectures
Grafische versneller	ATI FirePro™
Weergavegeheugen	1 GB GDDR5
Geheugeninterface	128-bit
Geheugenbandbreedte	64.0 GB/s
Pixeldiepte	32-bit pixels (supports 8-bit and 10-bit per color channel)
Elektrische standaard	Dual-Link DVI DisplayPort (DP) complying to v1.2
Direct3D-hardwareondersteuning	Microsoft® DirectX v11.1, Vertex Shader 5.0, Pixel Shader 5.0
OpenGL-hardwareondersteuning	OpenGL 4.1
OpenCL-hardwareondersteuning	OpenCL 1.1
Connectoren	2-DisplayPort (DP), 1-DVI-I
Ondersteunde resoluties	Up to 5.8MP grayscale at full refresh rate (VGA at boot-up)
Goedkeuringen en conformiteit	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)
Bedrijfstemperatuur	0° to 60°C (32° to 140° F)
Connectiviteit	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

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