

# MXRT-1450

2D PCIe x1 low-profile display controller



The MXRT-1450 is a low-profile and small form factor PCIe display controller. The graphics controller can be used to drive HIS, RIS and patient list monitors up to 1920 x 1200 display resolution in workstations where all PCIe x16 slots are occupied. The MXRT-1450 features 512 MB DDR3 display memory.

## Compact form factor

Thanks to its compact factor, the MXRT-1450 offers a perfect solution for set-ups where a low-profile workstation is needed for space efficiency. It also allows installation in low-power workstations and reduces overall power consumption.

- Low-Profile PCIe x1 MXRT display controller
- 512 MB DDR3 display memory
- Single-wide / low power consumption

**Product specifications****MXRT-1450**

General specifications	
Bus compatibility	PCIe Gen2 x 1
Power consumption	15 W
Form factor	169.67mm (L) x 64.46mm (H) single PCIe slot wide
Operating system	Windows XP and Windows 7 -32/64-bit
Platforms	Intel® and AMD architectures
Graphics accelerator	ATI FirePro TM
Display memory	512 MB DDR3
Memory interface	64-bit
Memory bandwidth	9.6 GB/s
Pixel depth	32-bit pixels
Electrical standard	Single-Link DVI complying to v1.0 Display Port (DP) complying to v1.1a
Direct3D hardware support	Microsoft® DirectX v11.0, Vertex Shader 5.0, Pixel Shader 5.0
OpenGL hardware support	OpenGL 4.0
Connectors	DMS-59 to Single-Link DVI
Supported resolutions	Up to 2MP 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), Certificate of Information & Communication Equipment(Republic of Korea)
Operating temperature	0° to 60°C (32° to 140° F)
Connectivity	DMS-59 to Single-link DVI-I (1-adaptor is included)

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