



Hardware solutions for PACS supported by Barco & HP



Windows 7 and Windows 8.1 Support

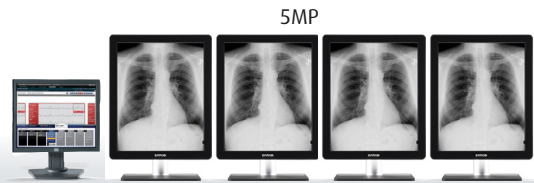
Visually intensive medical applications (PACS) require professional quality workstations, as consumer-grade systems may not meet the power, cooling or reliability specifications demanded by your customers and clients.

Using the proper workstation ensures optimal performance of your Barco display systems. The following models have been tested and validated to work properly with Barco's imaging products.



Dual-head (2/3/5MP) grayscale displays with navigational display

Slot	Z440	Graphics Card		Z640*	Graphics Card		Z840	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x1		MXRT-1451	PCIe2 x1			PCIe3 x4		
2	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500
3	PCIe2 x4			PCIe2 x4			PCIe3 x8		
4	PCIe3 x8			PCIe3 x8			PCIe3 x16		
5	PCIe3 x16			PCIe3 x16			PCIe3 x8		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCIe2 x1		



Quad-head (2/3/5MP) grayscale displays with navigational display

Slot	Z440	Graphics Card		Z640*	Graphics Card		Z840	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x1		MXRT-1451	PCIe2 x1		MXRT-1451	PCIe3 x4	MXRT1451	MXRT-1451
2	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-7500	MXRT-5500
3	PCIe2 x4			PCIe2 x4			PCIe3 x8		
4	PCIe3 x8			PCIe3 x8			PCIe3 x16		MXRT-5500
5	PCIe3 x16	MXRT-2500		PCIe3 x16	MXRT-2500		PCIe3 x8		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCIe2 x1		

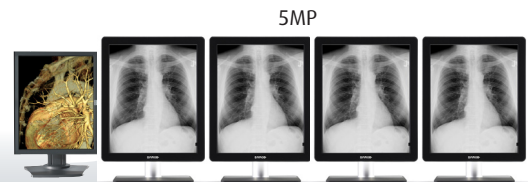
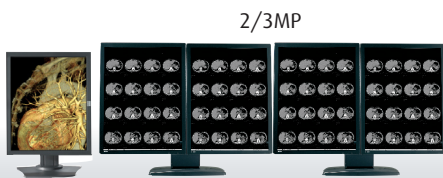
*MXRT-5500, MXRT-5550 and MXRT-7500 are not compatible with the Dual-Processor version of the z640





Dual-head grayscale (2/3/5MP) displays with **3D** navigational display

Slot	Z440	Graphics Card		Z640*	Graphics Card		Z840	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x1		MXRT-1451	PCIe2 x1			PCIe3 x4		
2	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500
3	PCIe2 x4			PCIe2 x4			PCIe3 x8		
4	PCIe3 x8			PCIe3 x8			PCIe3 x16		
5	PCIe3 x16			PCIe3 x16			PCIe3 x8		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCIe2 x1		



Quad-head (2/3/5MP) grayscale displays with **3D** navigational display

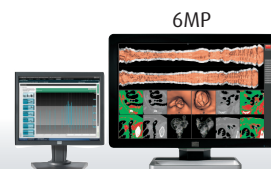
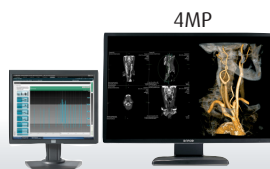
Slot	Z440	Graphics Card		Z640*	Graphics Card		Z840	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x1		MXRT-1451	PCIe2 x1	MXRT-1451	MXRT-1451	PCIe3 x4		
2	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500
3	PCIe2 x4			PCIe2 x4			PCIe3 x8		
4	PCIe3 x8			PCIe3 x8			PCIe3 x16	MXRT-5500	MXRT-5500
5	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16			PCIe3 x8		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCIe2 x1		



Dual-head (2/3MP) **color** and single-head Fusion (4MP/6MP) **color** displays

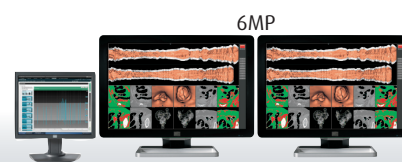
Slot	Z440	Graphics Card		Z640*	Graphics Card		Z840	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x1			PCIe2 x1			PCIe3 x4		
2	PCIe3 x16	MXRT-2500	MXRT-5500	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500
3	PCIe2 x4			PCIe2 x4			PCIe3 x8		
4	PCIe3 x8			PCIe3 x8			PCIe3 x16		
5	PCIe3 x16			PCIe3 x16			PCIe3 x8		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCIe2 x1		

*MXRT-5500, MXRT-5550 and MXRT-7500 are not compatible with the Dual-Processor version of the z640



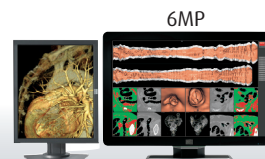
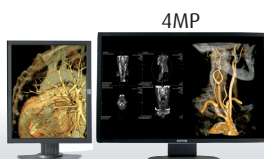
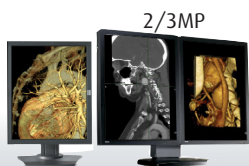
Dual-head (2/3MP) **color** and single-head Fusion (4/6MP) **color** displays with navigational display

Slot	Z440	Graphics Card		Z640*	Graphics Card		Z840	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x1		MXRT-1451	PCIe2 x1			PCIe3 x4		
2	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500
3	PCIe2 x4			PCIe2 x4			PCIe3 x8		
4	PCIe3 x8			PCIe3 x8			PCIe3 x16		
5	PCIe3 x16			PCIe3 x16			PCIe3 x8		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCIe2 x1		



Quad-head (2/3MP) **color** and dual-head Fusion (4/6MP) **color** displays with navigational display

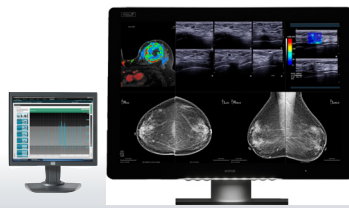
Slot	Z440	Graphics Card		Z640*	Graphics Card		Z840	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x1	MXRT-1451		PCIe2 x1		MXRT-1451	PCIe3 x4		MXRT-1451
2	PCIe3 x16	MXRT-5550	MXRT-5500	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500
3	PCIe2 x4			PCIe2 x4			PCIe3 x8		
4	PCIe3 x8			PCIe3 x8			PCIe3 x16		
5	PCIe3 x16	MXRT-5550	MXRT-5500	PCIe3 x16	MXRT-5500		PCIe3 x8	MXRT-5500	
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCIe2 x1		



Dual-head (2/3MP) **color** or single-head Fusion (4/6MP) **color** displays with **3D** navigational display

Slot	Z440	Graphics Card		Z640*	Graphics Card		Z840	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x1			PCIe2 x1			PCIe3 x4		
2	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500
3	PCIe2 x4			PCIe2 x4			PCIe3 x8		
4	PCIe3 x8			PCIe3 x8			PCIe3 x16		
5	PCIe3 x16			PCIe3 x16			PCIe3 x8		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCIe2 x1		

*MXRT-5500, MXRT-5550 and MXRT-7500 are not compatible with the Dual-Processor version of the z640

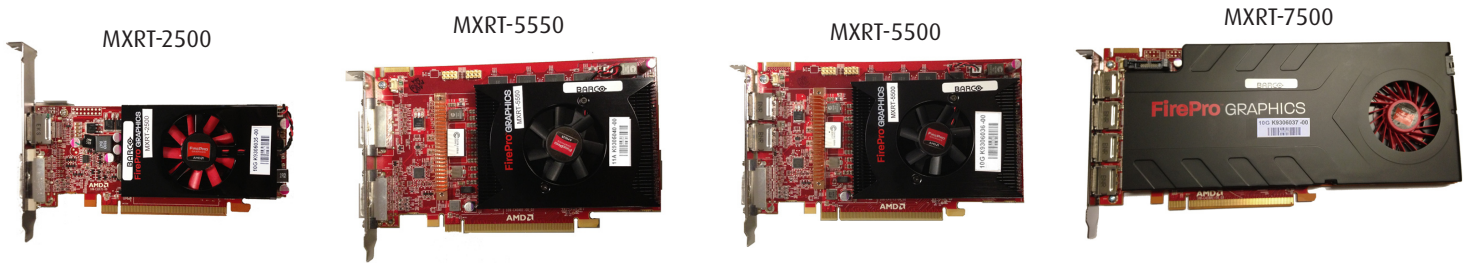


Coronis Uniti Display with Navigational Display

Slot	Z440	Graphics Card		Z640*	Graphics Card		Z840	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x1			PCIe2 x1			PCIe3 x4		
2	PCIe3 x16	MXRT-7500	MXRT-5500	PCIe3 x16	MXRT-7500	MXRT-5500	PCIe3 x16	MXRT-7500	MXRT-5500
3	PCIe2 x4			PCIe2 x4			PCIe3 x8		
4	PCIe3 x8			PCIe3 x8			PCIe3 x16		
5	PCIe3 x16			PCIe3 x16			PCIe3 x8		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCIe2 x1		

*MXRT-5500, MXRT-5550 and MXRT-7500 are not compatible with the Dual-Processor version of the z640

Workstation and Display Controller Specifications



Z440

Z640

Z840

Display Controller	Part Number	Bus Type	Power
MXRT-2500	K9306035	PCIe x16	43 W
MXRT-5500	K9306036	PCIe x16	75 W
MXRT-5550	K9306040	PCIe x16	75 W
MXRT-7500	K9306037	PCIe x16	140 W
MXRT-1451	K9306039	PCIe x1	15 W

Workstation	Power Supply
Z440	525 W or 700 W
Z640	925 W
Z840	850 W or 1125 W

BARCO

Visibly yours