

Jupiter Wall Processors at a Glance		
Fusion Catalyst 8000	Fusion Catalyst 4000	PixelNet
2 Intel Quad Core Xeons, 2.33GHz	2 Intel Quad Core Xeons, 2.2GHz	No single box processor
320 Gbps bandwidth	196 Gbps bandwidth	Individual input and output network nodes
8 GB Ram – (Optional 16, 32, 64GB)	8 GB Ram – (Optional 16, 32, 64GB)	Self-configuring network, there is no need for complicated setup
Operating System Windows 7 64bit	Operating System Windows 7 64bit	Run multiple walls even with different resolutions
20 PCI Express 2.0x4 slots	16 PCI Express 2.0x4 slots	Modular and Scalable design
3 x Additional Expansion chassis = 80 PCI Express 2.0x4 slots	2 x Additional Expansion chassis = 48 PCI Express 2.0x4 slots	Packet-switching technology
2 hot-swap 128GB solid state drives (SSD), RAID 1 (3rd drive, RAID 5, HDD optional)	2 hot-swap 320GB, SATA-300, 7200 RPM, RAID 1 (3rd drive, RAID 5 optional)	Switching done on a pixel-by-pixel basis
DVD-RW/CD-RW optical storage	DVD-RW/CD-RW optical storage	Built-in up and down-scaling
USB Wireless 104-key keyboard & laser mouse	USB Wired 104-key keyboard & mouse	PixelNet Domain Control software - Simple drag and drop interface
16-lane PCI Express Input 2.0 inter-chassis connection	8-lane PCI Express Input 2.0 inter-chassis connection	Long distance cable runs (up to 100metres)
Dual-Link DVI-I Output Card, graphics memory 256 MB per card, up to 120 outputs supported	Dual-Link DVI-I Output Card, graphics memory 256 MB per card, up to 96 outputs supported	All PixelNet nodes have MTBF's in excess of 120,000 hours.
Output Resolution - Digital: 640x480 to 2560x1600 pixels per output, Analogue: 640x480 to 2048x1536 pixels per output	Output Resolution - Digital: 640x480 to 2560x1600 pixels per output, Analogue: 640x480 to 2048x1536 pixels per output	PixelNet DVI/Analogue Input Node - Captures signals up to 2048x1200 resolution and up to 165 MHz
Output Colour Depth 32 bits per pixel	Output Colour Depth 32 bits per pixel	PixelNet Analogue HD Input Node - Captures signals 480i to 1080p analogy component (YPrPb)
Dual-Link DVI-I Input Cards up to 100 inputs (Optional)	Dual-Link DVI-I Input Cards up to 94 inputs (Optional)	PixelNet 3G-SDI Input Node - Supports 3G-SDI, HD-SDI, and SD-SDI
Octal SD Video Input Cards up to 400 inputs (Optional)	Octal SD Video Input Cards up to 376 inputs (Optional)	Quad SD Input Node - Composite and S-Video standard definition video via CVBS-Y/C
CatalystLink Input Card – each CatalystLink card features 4 PixelNet ports and supports up to 8 PixelNet Input Nodes (Optional)	CatalystLink Input Card – each CatalystLink card features 4 PixelNet ports and supports up to 8 PixelNet Input Nodes (Optional)	PixelNet Audio Output Node - Outputs either digital or analogue signals
Quad HD Decoder Input Card, 1 per support up to 200 HD or SD streams in MPEG-2, MPEG-4, MJPEG, and H.264 formats. Most popular IP cameras and encoders are supported, as are desktop PC streams allowing real-time updates. (Optional)	Quad HD Decoder Cards, support up to 192 HD or SD streams in MPEG-2, MPEG-4, MJPEG, and H.264 formats. Most popular IP cameras and encoders are supported, as are desktop PC streams allowing real-time updates. (Optional)	TeamMate Output Node - Outputs both analogue (RGB) and digital (DVI) signals Supports output resolutions up to 2048x1200 pixels and up to 165 MHz pixel rate can display a single or multiple sources in freely scalable windows, or multiple TeamMate nodes can be combined together to create a display wall of virtually any size with source windows being able to span one or all displays.
Hot swappable input & output cards	2 Gigabit Ethernet ports (Add up to 4 additional dual-port cards)	New PixelNet Warp/Blend for projector driven video walls.
2 year Hardware Warranty 1 year Software	2 year Hardware Warranty 1 year Software	2 year Hardware Warranty 1 year Software