

Jupiter Fusion Catalyst 4500C

InFocus

Award-Winning Display Wall Processor for Canvas

The Fusion Catalyst™ 4500C is built specifically for use with Canvas, Jupiter's award-winning collaborative visualization solution. Users and industry pundits around the world have called the award-winning Fusion Catalyst product line the best-in-class since its introduction in 2010.

Speed, Flexibility, Perfection, Plus Canvas

The Fusion Catalyst 4500C features bandwidth that reaches 336 Gbps, delivering the high resolution, high frame rate performance that users have come to expect from Jupiter Systems. The system is built around a PCI Express 2.0 chassis with 7 powerful, high speed slots, providing faster graphics, real time frame rates, and better overall system performance than anything in its class. Redundant power supplies maximize system uptime. Featuring the performance and quality for which Jupiter is known, this is the solution for projects both large & small.

Add up to 4 Fusion Catalyst 4500E Expansion Chassis to a Fusion Catalyst 4500C CPU chassis to handle up to 108 IP streaming inputs and up to 48 outputs.

And with an Intel E5 Six Core Xeon and Windows 7 onboard, you can run even the most demanding applications directly on the video wall. An optional second Xeon CPU is available for even more compute power.

The Fusion Catalyst 4500C also supports local HDCP protected content to display. Other models in the Fusion Catalyst 4500 line include the FC4500B running ControlPoint™ for display walls and the FC4500H for display walls with HDCP protected content to display.



Fusion Catalyst 4500

Supports Canvas 5.0

The Fusion Catalyst 4500C supports Jupiter's Canvas collaborative visualization suite, providing access to all of the visual business intelligence made available in the user's network—live streams from network cameras and mobile devices, application screens from PCs, and real-time data feeds. Users at the display wall can collaborate with distant colleagues on their PCs, smartphones, tablets, and in conference rooms equipped with Canvas Touch or Canvas CRS-4K, tapping into a 360° view of operations. Canvas also integrates with Microsoft Skype for Business.

Canvas brings a rich set of familiar tools for collaboration that no other system has. Users can annotate directly on live video streams, chat by text or voice, and collaborate on documents in real-time. And now Canvas supports Active Directory and Workgroup environments for user authentication, and offers an intuitive object-based, drag and drop interface.



Fusion Catalyst in Action

The Fusion Catalyst 4500C is the ideal solution for projects of any size employing Canvas. Each 3RU rack-mountable CPU Chassis and Expansion Chassis has 7 PCI Express 2.0 slots. Adding up to 4 Expansion Chassis to a CPU Chassis enables very large configurations.

Driving a large display wall? The Fusion Catalyst 4500C supports up to 48 HD outputs. With optional Quad HD Decoder Cards, Fusion Catalyst 4500C can support up to 108 video

streams for sharing with other Canvas users. Most popular IP cameras and encoders are supported, as are desktop PC streams with real-time updates.

The Fusion Catalyst 4500C is also valuable when users want to present content to an in-room audience outside of a Canvas session. With optional Dual-Link DVI Input Cards, up to 54 DVI-D HD inputs are supported for display on the local display wall only. Inputs via the DVI connection are not shareable in Canvas.

Specifications*

System Architecture Chassis	PCI Express 2.0 chassis with 7 high speed slots for input, output, or auxiliary cards
CPU Board Processor	Intel E5 Six Core Xeon CPU, Optional 2nd Intel E5 Six Core Xeon CPU
CPU Board System Memory	24GB RAM per CPU standard, up to 96GB RAM per CPU optional
Drives	500GB hard disk drive standard, larger HDDs optional, Optional 256GB and 512GB solid state drives Optional 2nd and 3rd drives, Optional RAID1 array with hot spare
Optical Storage	DVD-RW/CD-RW
Network Interface: Ethernet	Standard dual 100/1000 Mbps RJ45 ports
Input Devices (USB)	104-key keyboard and mouse
Expansion Chassis (Optional)	FC4500E Expansion Chassis: PCI Express 2.0 chassis with 7 slots for input or output cards
Quad HD Decoder Input Card (Optional)	Quad HD Decoder Input Card (Optional), Up to 108 inputs in 1 CPU Chassis + 4 Expansion Chassis Supports real-time decoding of HD or SD streams, Supports most popular IP cameras and encoders
Dual-Link DVI Input Card with and without HDCP Support for Local Display Only (Optional)	Inputs: Up to 54 inputs in 1 CPU Chassis + 4 Expansion Chassis Format: Dual-Link DVI-D up to 2560x1600, Single-Link DVI-D up to 2048x1200 Pixel Rate: Digital: Up to 270 MHz Pixel Format: 32 bits per pixel Windows: 4 destination windows per card
Fusion Catalyst 4500 Output Graphics Card	Outputs: Up to 48 HDCP and non-HDCP outputs with Canvas collaborative visualization software in 1 CPU Chassis + 4 Expansion Chassis Resolution: Digital: 1920x1080 pixels per output Color Depth: 32 bits per pixel Output Signal: DVI-D single-link connector or HDMI connector, depending on configuration
Rackmount CPU Chassis & Expansion Chassis	Dimensions: 5.25" H x 19" W x 25.5" D (13.3 cm x 48.3 cm x 64.8 cm) Weight: 53 lbs. (24.1 kg.) Shipping Weight: 75 lbs. (34.1 kg.)
Operating Range - Temperature	Operating: 32°F - 104°F (0°C - 40°C), Non-operating: 14°F - 150°F (-10°C - 66°C)
- Humidity	10-90% non-condensing
- Altitude	Up to 10,000 feet (3,048.0 m)
Electrical	
- Redundant power supplies	High efficiency (94%) with PMBus and I2C
- Input Voltage	100-240 VAC, auto-ranging power supply
- Line Frequency	50-60 Hz
- Power Consumption	500 Watts nominal per chassis
Regulatory	
- United States	UL 60950 listed, FCC Class A
- Canada	cUL CSA C22.2, No. 60950

* Product specifications, terms, and offerings are preliminary and subject to change at any time without notice.