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Jupiter Fusion 950

Jupiter's high-performance Fusion 950™ Wall Controller can drive an array of up to 32 analog or digital projectors to a resolution of 1600x1200 pixels per projector. Offering flexible digital and analog input and output options, and a robust software suite, the Jupiter Fusion 950 is designed to satisfy demanding command-and-control display applications.

Jupiter Fusion 950 Features

The Jupiter Fusion 950 effortlessly delivers the ability to drive large projector arrays used in control rooms for Telecom, Public Utilities, Dispatch/911/Traffic Control and Military applications. A cost effective version of the Jupiter Fusion 970, the Jupiter Fusion 950 includes the following features:

Video Inputs

The Jupiter Fusion 950 comes standard with 16 composite BNC ports and eight S-Video mini-DIN inputs into the system. The integrated matrix switch allows any input channel to be directed to any output window, simplifying configuration. Windows containing video inputs can be moved, scaled and minimized like any other application window, making the Fusion 950 highly flexible and easy to use. Multiple video windows can be placed on a single display channel, providing a truly flexible display interface.

Eight RGB Inputs

Up to eight HD15 inputs can be added to display live RGB graphics images on the display wall from other computer sources such as laptops, desktop computers, workstations and legacy systems. The RGB windows can be easily moved, resized and minimized like any other application window. RGB image quality is guaranteed with automatic software recognition of incoming RGB signals that correlate to existing VESA standard display formats.

Flexible Interface

Combined with powerful video and RGB input capabilities, the Jupiter Fusion 950 runs Microsoft's Windows 2000 operating system, providing compatibility with the vast majority of Windows applications. Standard features include UNIX connectivity software to interface with UNIX and X Window-based computers, the ability to interface with touch panel devices from AMX and Crestron, and networking capabilities to access corporate network-based applications.

Standard ControlPoint™ software, the focal point of Jupiter Fusion 950 activity, manages the placement and display of RGB, video and application windows, monitors system status and provides open APIs and serial and TCP/IP protocols to customize operations to meet specific customer needs. ControlPoint provides a consistent, intuitive GUI interface for creating RGB, video and application windows, interactively placing them on the desktop, and providing the ability to save and restore display wall layouts. ControlPoint also provides simultaneous multi-user interaction with the display wall over a network. Administrators can define access rights on an individual or group basis. Included remote cursor software enables direct manipulation of display wall content over a network, conveniently, with the user's own keyboard and mouse.

Fusion 950 Configurations

The Fusion 950 comes with up to 17 PCI slots supporting as many as 16 single- or dual-channel graphics controllers for output display channels, up to four dual-HD15 RGB input cards, and up to two single, dual-, or quad-port Ethernet cards. Standard features include 16 composite BNC and eight S-Video mini-DIN inputs, an integrated 10/100 Ethernet port, dual hot swappable 300-watt power supplies, a front accessible fan filter, and a single removable hard drive. A second removable hard drive is an option. The Jupiter Fusion 950 is shipped pre-configured with Microsoft Windows 2000 or Red Hat Linux.

FUSION950

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FUSION950

Description





Fusion950 Back Panel

CPU Board

Processor	Intel Pentium III
System memory	512MB RAM
Expansion slots	7 (17 with expansion chassis)

Disk Storage

Hard disk drive	Standard single removable 20GB disk; Optional second removable 20GB disk
CD-ROM	48x CD-ROM
Floppy	1.44MB

Graphics Display Capabilities

Graphics memory	8MB SGRAM per graphics controller
Number of outputs	2 to 32
Wall configuration	Any rectangular array
Resolution	640x480 to 1600x1200 pixels per output (1280x1024 max digital)
Color Depth	16 bits per pixel
Cursor	Hardware cursor
Output signal	DVI-I connector (both analog and digital, DVI-I to HD15 adapters included)

Video Input

Inputs	16 composite BNC and 8 S-Video mini-DIN
Input format	NTSC, PAL, SECAM
Scaling and display	Up to 16000x16000 pixel window size, multiple video windows per display channel

RGB Input

Inputs	Optional 2 to 8 HD15
Processors	1 (1 single processor card) to 8 (4 dual processor cards)
Format	RGB with any sync type (composite, separate, sync on green)
Pixel rate	Up to 160MHz pixel clock
Pixel format	Samples in 24 bits per pixel / displays in 16 bits per pixel
Scaling and display	Up to 4096x3072 pixel window size, multiple RGB windows per display channel

Network Interface

Ethernet	Standard integrated 10/100 Mbps Ethernet (100BaseT) RJ45 port Optional single, dual or quad 10/100 Mbps (100BaseT) Ethernet boards for up to 5 total RJ45 ports; Optional 10/100/1000 Mbps (Gigabit/1000BaseT) Ethernet RJ45 port

Input Devices

104-key keyboard; mouse with 2-buttons + wheel/button

Touch Panel Support

AMX or Crestron support built-in

Rackmount Chassis

H x W x D	7in x 19in x 20in (177.8mm x 482.6mm x 508mm)
Weight	47 lbs (21.4kg)
Shipping weight	59 lbs (26.8kg)

Operating Range

Temperature	32°F – 104°F (0°C – 40°C)
Humidity	10 – 90% non-condensing
Altitude	Up to 10,000 feet (3,048.0m)

Electrical Requirements

Input voltage	100-240 Vac, auto-ranging power supply
Line frequency	60/50 Hz
Power consumption	200/300 Watts typical

Regulatory

United States	UL 60950 listed, FCC Class A
Canada	cUL CSA C22.2 No. 60950
International	CE Mark, CB Certificate and mark (All member countries), IEC 60950 compliant

Software Support

OS	Microsoft Windows 2000 Professional or Red Hat Linux
Video and RGB	Included ControlPoint Software

Note: Specifications subject to change without notice.

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