

The Jupiter Fusion 940™ Display Wall Controller, capable of driving up to ten analog or digital projectors to a resolution of 1920x1080 pixels per projector, leads the industry in price-to-performance. Offering flexible digital and analog input and output options, a robust software suite, and housed in a compact 2 U rack mount enclosure, the Jupiter Fusion 940 is designed to satisfy demanding command-and-control display applications.

### **JUPITER FUSION 940 FEATURES**

The Jupiter Fusion 940 delivers unequaled ability to drive large projector arrays used in control rooms for Telecom, Public Utilities, Dispatch/911/Traffic Control, and Military applications. A compact, cost effective member of the Jupiter Fusion family of display wall processors, the Jupiter Fusion 940 includes the following features:

### **TWELVE COMPOSITE AND SIX S-VIDEO INPUTS**

The Jupiter Fusion 940 comes standard with 12 composite video BNC and six S-Video mini-DIN inputs to the system. The integrated video matrix switch and analog video bus allows any video 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 940 highly flexible and easy to use. Multiple video windows can be placed in a single screen, providing display space for other applications.

## **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. 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 940 runs Microsoft's Windows XP Professional operating system, providing compatibility with the vast majority of Windows applications. Standard features include UNIX connectivity soft-

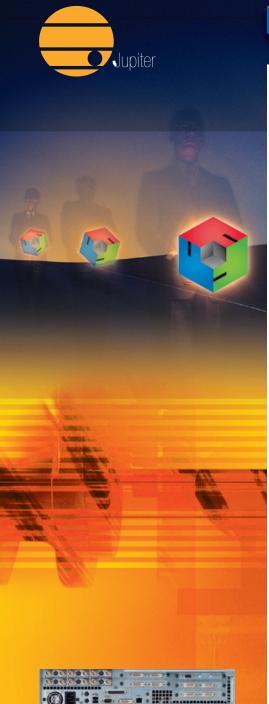
ware to interface with UNIX and X Window-based computers, the ability to interface with touch panel devices from AMX and Crestron, and networking capabilities to access corporate network-based applications.

Standard ControlPoint™ software, the focal point of Jupiter Fusion 940 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 940 CONFIGURATIONS**

The Fusion 940 can be configured with as many as five dual-channel graphics cards supporting up to ten display channels and, optionally, up to eight HD15 inputs for RGB graphics. Standard features include 12 composite BNC and six S-Video mini-DIN inputs, a single 200-watt power supply, and front accessible fan filters. The Jupiter Fusion 940 is shipped pre-configured with Microsoft Windows XP Professional.





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**FUSION 940 BACK PANEI** 

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**CPU BOARD** 

Intel Pentium 4@3.0 GHz Processor

System memory 512MB DDR RAM standard; 1GB, 2GB, or 3GB DDR optional

Expansion slots

**DISK STORAGE** 

Hard disk drive 320 GB SATA

CD-ROM CD-ROM / DVD-ROM, EIDE

1.44MB Floppy

**GRAPHICS DISPLAY CAPABILITIES** 

Graphics memory 32MB per display channel

Number of outputs 2 to 10

Wall configuration Any rectangular array

Resolution 640 x 480 to **1920 x 1080** pixels per display channel

16 or 32 bits per pixel Color Depth Cursor Hardware cursor Output signal DVI-I connector

(both analog and digital, DVI-I to HD15 adapter included)

VIDEO INPUT

12 composite BNC and 6 mini-DIN S-Video Inputs

NTSC, PAL, SECAM Input format

Up to 10,240 x 7680 pixel window size, Scaling and display

multiple video windows per display channel

**RGB INPUT** 

Inputs Up to 8 RGB inputs (4 dual input cards)

RGB with any sync type (composite, separate, sync on green) Format

Up to 160MHz pixel clock Pixel rate

Samples in 24 bits per pixel/displays in 16 bits per pixel Pixel format

Scaling and display Up to 4096 x 3072 pixel window size,

multiple RGB windows per display channel

**NETWORK INTERFACE** 

Integrated 10/100/1000 Mbps Ethernet (100BaseT) RJ45 port Ethernet

INPUT DEVICES

Keyboard 104-key

Mouse 2-button + wheel/button

**TOUCH PANEL SUPPORT** AMX or Crestron support built-in

**RACKMOUNT CHASSIS** 

 $H \times W \times D$ 3.5in x 19in x 16in (88.9mm x 482.6mm x 406.4mm)

Weight 22 lbs (9.9kg) Shipping weight 36 lbs (16.3kg)

**OPERATING RANGE** 

Temperature 32°F - 104°F (0°C - 40°C) Humidity 10 – 90% non-condensing Altitude up to 10,000 feet (3,048m)

**ELECTRICAL REQUIREMENTS** 

100-240 Vac, auto-ranging power supply Input voltage

Line frequency 50-60 Hz

Power consumption 150/200 Watts typical

**RGB CAPTURE** 

Up to 8 RGB inputs (4 dual input cards) Inputs

OCTAL VIDEO MODULE (OPTIONAL)

Panel I/O 8 Composite (BNC) or 8 S-Video (with adapter) on 1U Chassis Panel

Number of Inputs 8 or 16 (two boards)

NTSC (640x480), PÁL or SECAM (768x576) Format

REGULATORY

UL 60950 LISTED, FCC Class A United States

cUL 60950 LISTED Canada

CE Mark, CB Certificate and mark & report International (All member countries), IEC 60950 compliant

**SOFTWARE SUPPORT** 

Microsoft Windows XP Professional or Windows 2000 Professional Video and RGB

Included ControlPoint Software