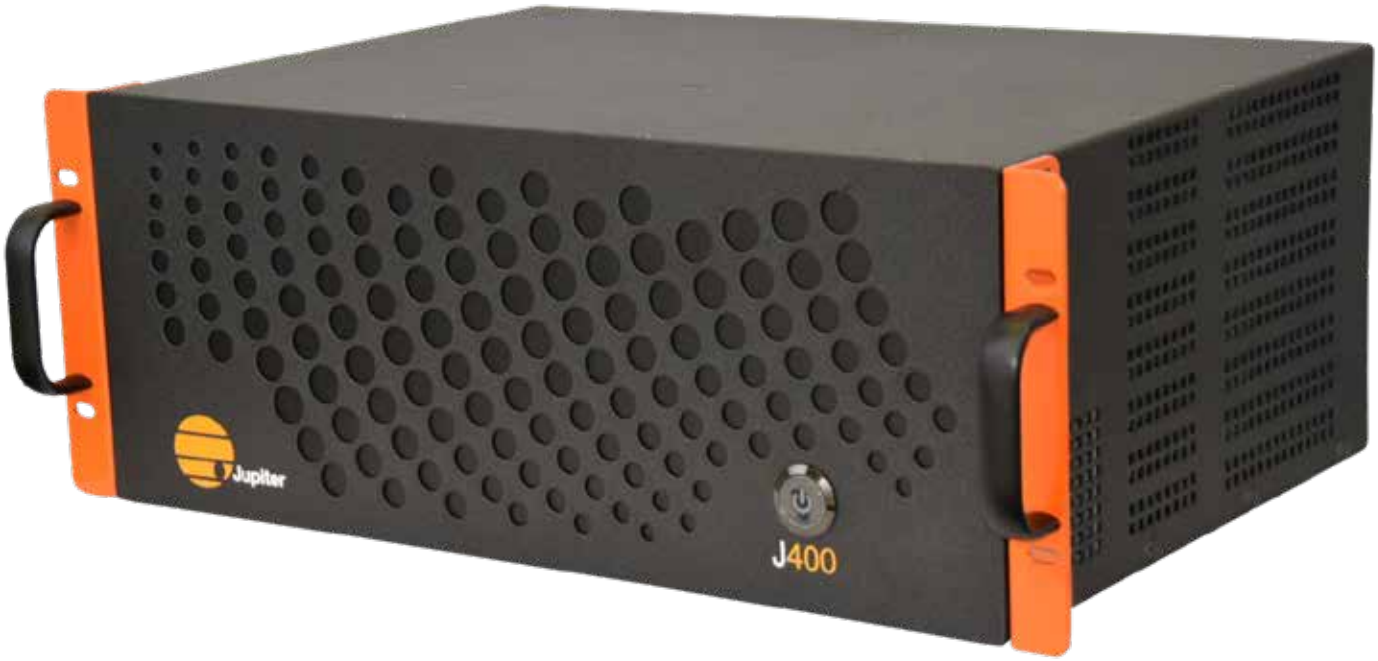
# J400 & J600

Simple, reliable and industry-leading display wall systems




## Contact

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# Industry-Leading

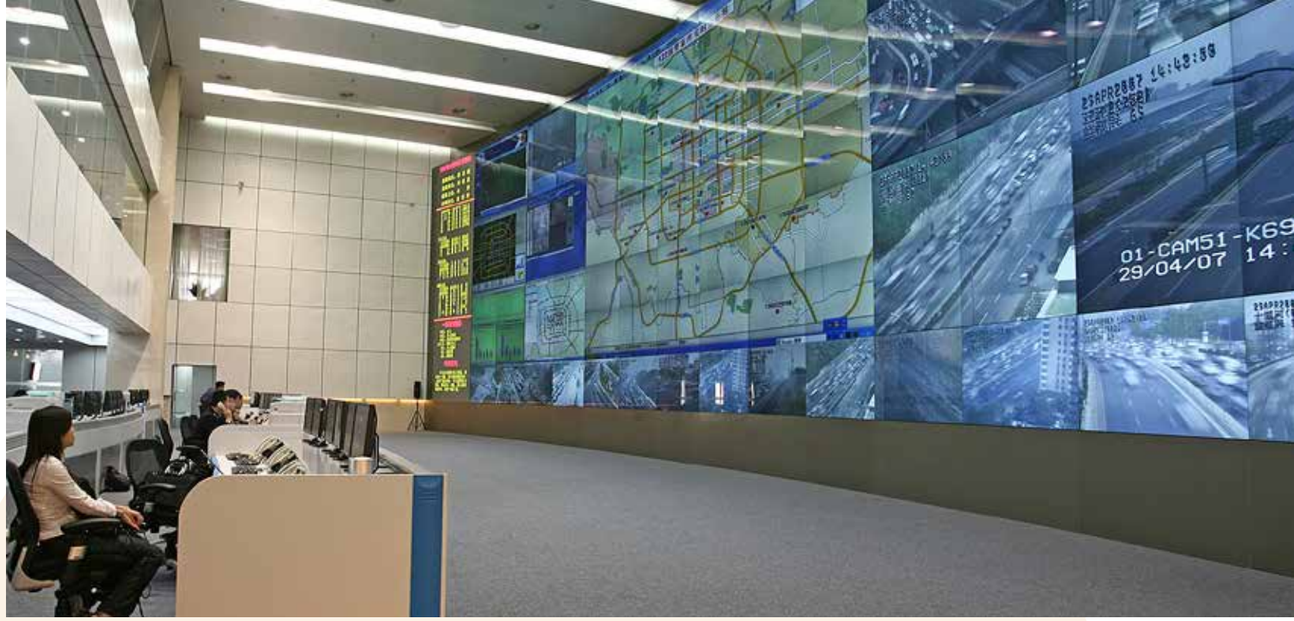
J Series display wall processors are the latest industry leading products from Jupiter Systems. The J400 and J600 are compact, fast and cost-effective. J Series processors are an I/O appliance that can be used for any video wall application, yet simple enough for anyone to setup, use and support. Jupiter has developed LightSpeed, the core technology that makes the J Series products usable in any deployment.

All J Series products are HDCP-compatible 24/7 display wall processors. It can be deployed as lobby signage, corporate communications, campuses, medical, classrooms, immersive systems and places of worship. Each model can power up to 4 different video walls with a single chassis, each wall having a unique geometry and resolution. J Series supports all display technology like traditional LCD technology, direct-view LED, cubes, projectors and custom resolutions. Any type of source can be connected to create a beautiful and intelligent video wall.  No Operating System layer eliminates the worry of any virus, updates or software compatibility issues.

# LightSpeed Technology

J Series introduces Jupiter's latest technology for video processing called LightSpeed. LightSpeed features ultra-fast capture, transfer, display, scaling and cropping of inputs. LightSpeed technology enables Source-to-display frame transfer in less than 16ms, which is the fastest in the industry. Each display supports up to 4 windows of any source type, resolution or frame rate. This new technology also allows for 100% uptime while upgrading firmware, hot swapping or adding individual boards for 24/7 reliability. The Status Monitoring dashboard provides a real-time look into the hardware, easily swap out any components for service or upgrades.

Instead of the traditional PCIe output and input boards, these display wall processors has a pure hardware architecture to optimize the pixel transfer from source to display. Jupiter has taken the complexity out of configuring video walls by offering a fully configurable system out of production or the ability to stock and self-configure in the field.




# Powerful Yet Simple

The J400 and J600 processors are designed from the ground up to be fast, efficient and cost effective yet simple to deploy. Since the J Series are appliance based, configuration of the unit is designed to be streamlined and eliminating the need for complex setup time. Simply rename all the sources, configure the geometry of the video wall to match the displays and the system is done with the configuration. The web based configuration and management tool works with any computer, eliminating the need for any installation requirement. Setting up a video has never been easier!

The open API allows for 3rd party control for touch panels and other management systems. The API allows the system to perform simple tasks like opening a layout on the video wall or more complex actions like opening or closing individual windows.

# Jupiter Systems - Made in America

With over 35 years in the video wall industry, Jupiter is a worldwide leader in hardware and display wall processors. At the core of our Quality Management System (QMS) is a strong commitment to delivering consistently superior products and services to our customers. J Series, Catalyst and PixelNet are built and assembled in an ISO 9001:2015 production floor to maintain the best-in-class standard for customers.

Reliable, compact, fast and easy. J Series supports all display technology.

State-of-the-art technology, with a history of quality, service and commitment to superior products.

# Specifications*

| J400 | |
|---|---|
| Form Factor | 4RU |
| Power Consumption | 460W |
| Max Input Slots | 8 |
| Max Input Channels | 32 (HD) or 16(4K) |
| Max Output Slots | 3 |
| Max Output Channels | 12 (HD or 4K) |
| Redundant PSU | Yes, Optional |

| J600 | |
|---|---|
| Form Factor | 6RU |
| Power Consumption | 460W |
| Max Input Slots | 14 |
| Max Input Channels | 56 (HD) or 28(4K) |
| Max Output Slots | 5 |
| Max Output Channels | 20 (HD or 4K) |
| Redundant PSU | Yes, Optional |

| General Technology | |
|---|---|
| OS | No Operating System |
| Video Wall per chassis | 4 |
| Custom Resolution | Output and Input |
| Color Space | RGB 4:4:4 |
| Bits per color | 8 |
| Source Switching | <=20ms |
| Creating Window | <=16ms |
| Layouts | <=16ms |
| Operating Temperature | 0°- 50°C (32°-112°F) |
| Operating Humidity | <90% (Non-condensing) |

| CPU Board | |
|---|---|
| Configuration | RJ45 |
| API | TCP or RS232 |

| Input Boards | | |
|---|---|---|
| HDCP | 1.4 & 2.2 | |
| EDID | Custom EDID management | |
| HD DVI Input Board | 4x channels of SL DVI-I | UP to 1920x1200x60Hz |
| HD HDMI Input Board | 4x channels of HDMI 1.3 | UP to 1920x1200x60Hz |
| UHD30 HDMI Input Board | 2x channels of HDMI 1.4 | Up to 3840x2160x30Hz |

| Output Boards | | |
|---|---|---|
| Display Technology | LCD, LED, Cube, Projectors, Custom Resolutions | |
| HDCP | 1.4 & 2.2 | |
| HD DVI Output Board | 4x channels of SL DVI-I | UP to 1920x1200x60Hz |
| HD HDMI Output Board | 4x channels of HDMI 1.3 | UP to 1920x1200x60Hz |
| UHD30 HDMI Output Board | 2x channels of HDMI 1.4 | Up to 3840x2160x30Hz |
| UHD60 HDMI Output Board | 2x channels of HDMI 2.0 | Up to 3840x2160x60Hz |

*Product specifications, terms, and offerings are preliminary and subject to change at any time without notice.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J400