



## Fusion ioSphere™ with ioManager™

ioSphere is the world's first enterprise flash platform. ioSphere is a base for software modules designed to help the enterprise get the most from ioMemory deployments.

Included with ioSphere is ioManager, a software module that provides base functionality to manage flash on a single server.



## Key Benefits

- Base Platform for add-on software modules
- Single-Host Flash Management (with ioManager)
- Remote Access (with ioManager)
- Intuitive Web User Interface (with ioManager)

## Details

### BASE PLATFORM

ioSphere is a base platform that supports add-on software modules, that offer our customers unmatched capabilities. The first of these add-ons is ioDirector, a software module that provides comprehensive visibility, monitoring, and management of all the ioMemory devices across your organization.

### SINGLE-HOST FLASH MANAGEMENT

Applying the same configuration to multiple ioMemory devices ensures synonymous performance. Fusion's ioManager allows you to apply the same configuration settings all at once to multiple ioMemory devices on a single host.

### REMOTE ACCESS

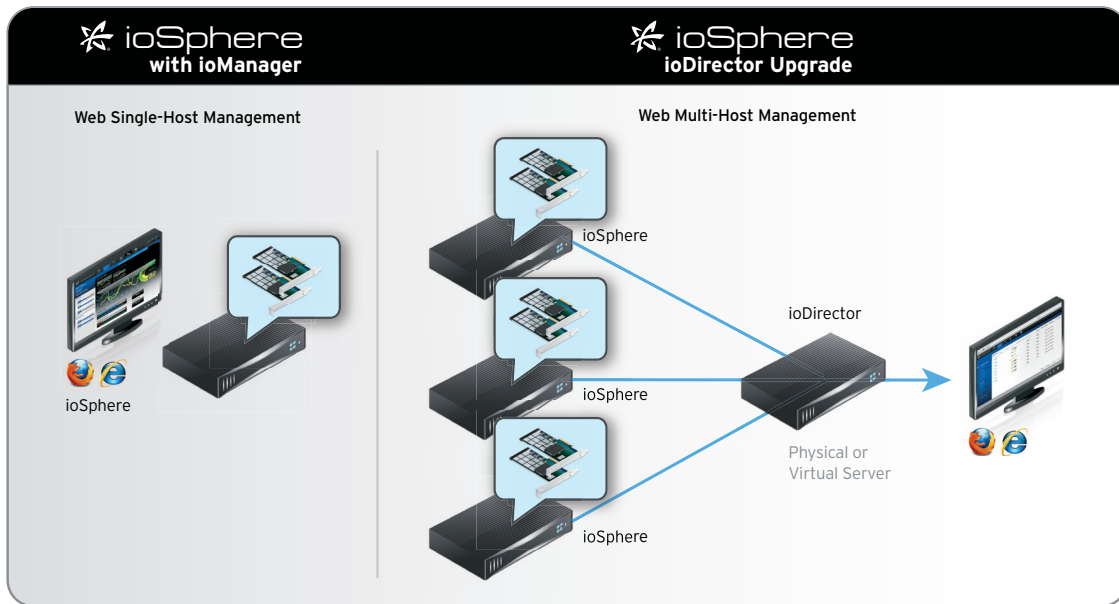
ioSphere with ioManager allows you to remotely monitor the live performance and health of ioMemory devices on a server, allowing you to proactively monitor and troubleshoot Fusion Powered servers, saving you time and energy.

### INTUITIVE WEB USER INTERFACE

A tab in your web browser provides instant visibility into your ioMemory devices through an easy to use web-based interface.

# ioManager/ioDirector Feature Comparison

Management & Reports	ioManager	ioDirector
Installation	Web Server	Web Server
Discovery and Inventory	Single Host	Multi-Host
Remote Access	X	X
ioMemory Configuration	Single Host	Multi-Host
Live Performance Metrics	X	X
Historical Performance Reports		X
Usage Warranty Forecast		X
Monitoring	ioManager	ioDirector
ioMemory Monitoring	Single Host	Multi-Host
Customized Alert Criteria		X
SMS/Email Alerts		X
Searchable Alerts History		X
Other	ioManager	ioDirector
User Authentication	X	X
LDAP Authentication		X



# System Requirements

## IOMANAGER REQUIREMENTS

ioSphere with ioManager on a single host

- RAM: Minimum of 30MB of free RAM
- Fusion-io VSL: Version 2.1 or later

## Operating System Requirements

### WINDOWS

- Microsoft Windows XP Professional 64-Bit (with SP2 or higher)
- Microsoft Windows 2003 Server 64-Bit (with SP2 or higher)
- Microsoft Windows 2008 Server 64-Bit, all versions (with SP1 or higher)
- Microsoft Windows 2008 R2 Server 64-Bit, all versions (with SP1 or higher)
- Microsoft Windows XP, Vista, 7 64-bit, all versions

### LINUX

- Red Hat Enterprise Linux 4, 5, 6
- Oracle Enterprise Linux 5
- SUSE Linux Enterprise Server (SLES) 10, 11
- OpenSUSE 11
- Debian Lenny, Debian Squeeze
- Fedora 13, 14
- Ubuntu 8.04, 9.10, 10.04, 10.10
- CentOS 4, 5
- ChaOS
- Solaris 10 U8 & U9, 11 (Agent Only)
- Open Solaris 10 (Agent Only)

### SUPPORTED BROWSERS

- Microsoft Internet Explorer 8.0 (Windows)
- Mozilla Firefox 3 (Linux)

*Note: Google Chrome for Windows and Linux, Mozilla Firefox 3 for Windows and Mac, and Safari for Mac are unsupported but are believed to work. Google Chrome on Mac has known issues.*

### SCREEN RESOLUTION

1024 x 768 or greater

### ADOBE FLASH PLAYER

For an optimal viewing experience we recommend that you install the latest version of Adobe Flash Player 10.

## Security Standards

ioSphere with ioDirector uses standard, proven protocols to ensure the highest level of end-to-end security and authentication. Hypertext Transfer Protocol Secure (HTTPS) is used to securely transmit the data between the ioDirector server and any ioSphere clients (web browser and fio-agents). A generic Fusion-io SSL certificate is included with ioSphere install, but Fusion-io encourages customers to use their own SSL certificates for stronger security.

### **FIREWALL PROVISIONING**

The HTTPS port used for communication with ioSphere is set by the customer at installation.

### **USER AUTHENTICATION**

Users can configure ioSphere to use their existing LDAP authentication or create a custom username/password, which is encrypted and stored in ioSphere.

## More Information

### **VISIT OUR WEB SITE**

<http://www.fusionio.com/>

### **TO SPEAK WITH A FUSION-IO SPECIALIST IN THE U.S. CALL:**

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### **TO SPEAK WITH A FUSION-IO SPECIALIST OUTSIDE THE U.S.**

For specific country offices and contact numbers, please visit our Web site.

### **ABOUT FUSION-IO**

Fusion-io, a leading provider of system, application & database acceleration, is unleashing the potential of performance-starved applications, allowing companies to rethink the way they architect their data systems. With a Fusion Powered data center, companies can increase productivity, shrink time to market and improve their customers' experience, all with less hardware, less power, and less administration. Companies are seeing performance gains of many magnitudes and server consolidation from 3-10x. Fusion-io is powering innovation that helps companies do more with less.

### **FUSION-IO WORLD HEADQUARTERS**

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