



## SecureSphere® Appliances

Scalable. Reliable. Flexible.

Imperva SecureSphere® appliances provide superior performance and resiliency for demanding network environments. With fail open interfaces, SecureSphere platforms offer fast and cost-effective fail over. Out-of-band management enhances security, while front panel status messages and network interfaces improve manageability. SecureSphere appliances deliver a scalable, reliable and flexible platform to power Imperva's Web and database security solutions.

### High Performance Architecture

Supporting multi-gigabit throughput, tens of thousands of transactions per second, and sub-millisecond latency, SecureSphere appliances can manage heavy traffic loads without impacting application or network performance.

### Fault Tolerant System Design

To maximize system uptime, the SecureSphere X2500, X4500, and X6500 models offer redundant, hot-swappable components including redundant power supplies, hard drives, and fans. In the event of a hardware failure, the redundant component will automatically take over, providing continuous system operations.

### Expansion Options for Unique Business Needs

SecureSphere appliances can be extended to provide remote, out-of-band management and monitoring, performance acceleration, and more with expansion modules. Options include:

- » *Lights-Out-Management (LOM)*
- » *Hardware Security Module (HSM)*
- » *SSL acceleration*
- » *Fibre channel interfaces*

Appliances



## SecureSphere Data Security Hardware Appliances



Specification	X6500	X4500	X2500
<b>Fault Tolerance</b>	Dual, hot-swap hard drives, power supplies, and fans	Dual, hot-swap hard drives, power supplies, and fans	Dual, hot-swap hard drives, power supplies, and fans
<b>Throughput</b>	2 Gbps	1 Gbps	500 Mbps
<b>HTTP Transactions/Sec</b>	44,000	36,000	22,000
<b>SQL Transactions/Sec</b>	200,000	100,000	50,000
<b>Latency</b>	Sub-millisecond	Sub-millisecond	Sub-millisecond
<b>Interfaces</b>	10 x 10/100/1000 Mbps (max 4 Fiber interfaces; optional 10Gbps Fiber)	6 x 10/100/1000 Mbps (max 4 Fiber interfaces; optional 10Gbps Fiber; optional 4 additional Copper)	6 x 10/100/1000 Mbps (max 4 Fiber interfaces)
<b>Interface Types</b>	Copper, Fiber SX, Fiber SR or Fiber LR	Copper, Fiber SX, Fiber SR or Fiber LR	Copper or Fiber SX
<b>Max Network Segments</b>	(4) Bridge; (9) Proxy, Non-inline	(4) Bridge; (9) Proxy, Non-inline	(2) Bridge; (5) Proxy, Non-inline
<b>Inline Fail Open (Bridging only)</b>	4 bypass segments	Up to 4 bypass segments	2 bypass segments
<b>Hard Drive</b>	2 hot-swap 1 TB	2 hot-swap 1 TB	2 hot-swap 500 GB
<b>Memory</b>	8 GB	8 GB	4 GB
<b>Serial Port</b>	RJ45 connector	RJ45 connector	RJ45 connector
<b>USB Port</b>	2	2	2
<b>SSL Acceleration</b>	Included	Optional	Optional
<b>Fibre Channel, LOM or HSM</b>	Optional	Optional	Optional
<b>Power Supply</b>	Dual 400 W	Dual 400 W	Dual 400 W
<b>AC Power</b>	100-240V, 50-60 Hz	100-240V, 50-60 Hz	100-240V, 50-60 Hz
<b>Typical Consumption</b>	290 W	210 W	190 W
<b>Typical Heat Output</b>	990 BTU/Hr	720 BTU/Hr	650 BTU/Hr
<b>Form Factor</b>	2U	2U	2U
<b>Dimensions</b>	17.4 x 20.1 x 3.46 in 443 x 512 x 88 mm	17.4 x 20.1 x 3.46 in 443 x 512 x 88 mm	17.4 x 20.1 x 3.46 in 443 x 512 x 88 mm
<b>Weight</b>	53.3 lbs (24.2 Kg)	51.10 lbs (23.2 Kg)	50.44 lbs (22.9 Kg)
<b>Operating Environment</b>	Temperature: 5° - 40° C Relative Humidity: 20% - 90%	Temperature: 5° - 40° C Relative Humidity: 20% - 90%	Temperature: 5° - 40° C Relative Humidity: 20% - 90%
<b>Storage Environment</b>	Temperature: 0° - 70° C Relative Humidity: 20% - 90%	Temperature: 0° - 70° C Relative Humidity: 20% - 90%	Temperature: 0° - 70° C Relative Humidity: 20% - 90%
<b>Safety Agency Approval</b>	CE/FCC/cTUVus/VCCI	CE/FCC/cTUVus/VCCI	CE/FCC/cTUVus/VCCI
<b>Supported SecureSphere Products</b>	<b>Web Application Firewall</b> <b>Discovery and Assessment Server</b> <b>Database Activity Monitoring</b> <b>Database Firewall</b> <b>Data Security Suite</b>		
<b>Database Agents Included<sup>1</sup></b>	100	50	25
<b>Database Vulnerability Assessments Included<sup>2</sup></b>	400	200	100

<sup>1</sup> Database agents only included with SecureSphere Database Activity Monitoring, Database Firewall, and Data Security Suite.

<sup>2</sup> Database assessments only included with Discovery and Assessment Server, Database Activity Monitoring, Database Firewall, and Data Security Suite.

## SecureSphere Data Security Hardware Appliances



Specification	X2000	X1000
<b>Throughput</b>	500 Mbps	100 Mbps
<b>HTTP Transactions/Sec</b>	22,000	8,000
<b>Latency</b>	Sub-millisecond	Sub-millisecond
<b>Interfaces</b>	6 x 1GbE	6 x 1GbE
<b>Interface Types</b>	Copper	Copper
<b>Max Network Segments</b>	(2) Bridge; (5) Proxy, Non-inline	(2) Bridge; (5) Proxy, Non-inline
<b>Inline Fail Open (Bridging only)</b>	2 bypass segments	2 bypass segments
<b>Hard Drive</b>	500 GB	500 GB
<b>Memory</b>	4GB	2 GB
<b>Serial Port</b>	RJ45 connector	RJ45 connector
<b>USB Port</b>	2	2
<b>SSL Acceleration</b>	N/A	N/A
<b>Power Supply</b>	250 W	250W
<b>AC Power</b>	100-240V, 50-60 Hz	100-240V, 50-60 Hz
<b>Typical Consumption</b>	110 W	80 W
<b>Typical Heat Output</b>	375 BTU/Hr	275 BTU/Hr
<b>Form Factor</b>	1U	1U
<b>Dimensions</b>	17 x 14 x 1.73 in 431.8 x 355.2 x 44 mm	17 x 14 x 1.73 in 431.8 x 355.2 x 44 mm
<b>Weight</b>	14.1 lbs (6.4 Kg)	14.1 lbs (6.4 Kg)
<b>Operating Environment</b>	Temperature: 5° - 40° C Relative Humidity: 20% - 90%	Temperature: 5° - 40° C Relative Humidity: 20% - 90%
<b>Storage Environment</b>	Temperature: 0° - 70° C Relative Humidity: 20% - 90%	Temperature: 0° - 70° C Relative Humidity: 20% - 90%
<b>Safety Agency Approval</b>	CE/FCC/cTUVus/VCCI	CE/FCC/cTUVus/VCCI
<b>Supported SecureSphere Products</b>	<b>Web Application Firewall</b> <b>Web Application Firewall Standard Edition (SE)</b> <b>Discovery and Assessment Server</b>	
<b>Database Vulnerability Assessments Included<sup>1</sup></b>	100	25

<sup>1</sup> Database vulnerability assessments only included with Discovery and Assessment Server.

## SecureSphere MX Management Appliances

The SecureSphere MX Management Server unifies the configuration, monitoring, auditing and reporting of large, distributed SecureSphere gateway deployments. Available in two models, the MX Management Server hardware satisfies the most stringent performance, security and reliability requirements. Expansion options plus redundant fans, power supplies and hard drives make the M150 model the ideal choice for demanding data center environments.



Specification	M150	M100
<b>Fault Tolerance</b>	Dual, hot-swap hard drives, power supplies, and fans	N/A
<b>Interfaces</b>	2 x 1GbE	2 x 1GbE
<b>Interface Types</b>	Copper	Copper
<b>Hard Drive</b>	2 hot-swap 300 GB	300 GB
<b>Memory</b>	4 GB	4 GB
<b>Serial Port</b>	RJ45 connector	RJ45 connector
<b>USB Port</b>	2	2
<b>LOM or Fibre Channel</b>	Optional	N/A
<b>Power Supply</b>	Dual 400 W	250 W
<b>AC Power</b>	100-240V, 50-60 Hz	100-240V, 50-60 Hz
<b>Typical Consumption</b>	190 W	110 W
<b>Typical Heat Output</b>	650 BTU/Hr	375 BTU/Hr
<b>Form Factor</b>	2U	1U
<b>Dimensions</b>	17.4 x 20.1 x 3.46 in; 443 x 512 x 88 mm	17 x 14 x 1.73 in; 431.8 x 355.2 x 44 mm
<b>Weight</b>	22.7 Kg (50 lbs)	6.4 Kg (14.1 lbs)
<b>Operating Environment</b>	Temperature: 5° - 40° C, Relative Humidity: 20% - 90%	Temperature: 5° - 40° C, Relative Humidity: 20% - 90%
<b>Storage Environment</b>	Temperature: 0° - 70° C, Relative Humidity: 20% - 90%	Temperature: 0° - 70° C, Relative Humidity: 20% - 90%
<b>Safety Agency Approval</b>	CE/FCC/cTUVus/VCCI	CE/FCC/cTUVus/VCCI

## SecureSphere Virtual Appliances

To accommodate the unique needs of dynamic and virtualized environments, Imperva also offers SecureSphere virtual appliances – modular software versions of Imperva’s appliance-based solutions. SecureSphere virtual appliances provide flexible, fast deployment, enabling organizations to quickly provision and configure new security services as requirements change. Virtual appliances can be installed on existing hardware for appliance consolidation. Whether hardware or software, Imperva offers adaptable, reliable, and manageable security solutions for organizations of all sizes.



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