

**imperva**

# WAF Gateway Appliances

DATASHEET

## Scalable. Reliable. Flexible.

Imperva Hardware appliances deliver a hardened, scalable, reliable and flexible platform to power Imperva Web Application Firewall. With multi-gigabit throughput, fail open interfaces, secure out-of-band management, and low latency, Imperva appliances are high assurance, fast, cost-effective, and easy to manage.

### High Performance Architecture

Imperva Hardware Appliances offer exceptional performance, allowing organizations to consolidate device management and address future bandwidth requirements. Imperva appliances can manage heavy traffic loads without impacting application or network performance.

### Fault Tolerant Hardware Design

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

### FLEXIBLE DEPLOYMENT OPTIONS:

Imperva Hardware Appliances can manage heavy traffic loads without impacting application or network performance. For customers who prefer a software-only form factor, Imperva provides a cost effective and flexible virtual appliance option to deploy Imperva security solutions on an enterprise virtualization platform or in an Infrastructure as a Service (IaaS) cloud environment. Full Terraform support.



## Flexible Expansion Options to Address Unique Business Needs

The appliances are built on a common hardware platform with flexibility in mind. Imperva appliances can be extended to provide remote, out-of-band management and monitoring, performance acceleration, and more with expansion modules.

Options include:

- 2nd Network Card Slot
- Future-Proof Technology
- Hardware Security Module (HSM)
- SSL acceleration
- Fibre Channel interfaces

### Imperva Hardware Appliance Specifications - 2U Form Factor

Specifications	X10K3 (WAF Gateway only)	X8530 (WAF Gateway only)	X6530	X4530	X2530
<b>Supported On-Prem Gateways</b>	Web Application Firewall	Web Application Firewall	Web Application Firewall Database Activity Monitoring Database Firewall	Web Application Firewall Database Activity Monitoring Database Firewall	Web Application Firewall Database Activity Monitoring Database Firewall
<b>WAF HTTP Performance<sup>1</sup></b>	10 Gbps	5 Gbps	2 Gbps	1 Gbps	500 Mbps
<b>WAF Gateway Specifications</b>					
<b>SSL/TLS Performance<sup>2</sup></b>	32K TPS, 200K RPS (RSA-2K) 10K TPS, 98K RPS (ECC P-256)	32K TPS, 200K RPS (RSA-2K) 10K TPS, 98K RPS (ECC P-256)	7.5K TPS, 85K RPS (RSA-2K) 4.5K TPS, 48K RPS (ECC P-256)	7.5K TPS, 85K RPS (RSA-2K) 4.5K TPS, 48K RPS (ECC P-256)	7.5K TPS, 43K RPS (RSA-2K) 4.5K TPS, 43K RPS (ECC P-256)
<b>Latency (WAF Gateway Only)</b>	< 5ms	< 5ms	< 5ms	< 5ms	< 5ms

1. Throughput of HTTP in Bridge/ABR, WAF Inspected Traffic using out of the box policies enabled

2. Both Transaction Per Second (TPS) and Requests Per Second (RPS) using hardware acceleration offload and WAF inspected traffic with out of the box policies enabled

## Appliance Physical Specifications

Specifications	X10K3	X8530	X6530	X4530	X2530	
<b>Fault Tolerance</b>	Dual hot-swap harddrive, Dual hot-swap power supplies	Dual hot-swap harddrive, Dual hot-swap power supplies	Dual hot-swap harddrive, Dual hot-swap power supplies	Dual hot-swap harddrive, Dual hot-swap power supplies	Dual hot-swap hard drives, Dual hot-swap power supplies	
<b>Data Traffic Module Slot 1 (With inline Bypass Support)</b>	<b>Default</b>	2 x 10GbE Fiber SR	8 x GbE Copper	8 x GbE Copper	8 x GbE Copper	8 x GbE Copper
	<b>Optional</b>	4x GbE Fiber SR 2x 10GbE Fiber SR 4x 10GbE Fiber SR	4x GbE Fiber SR 2x 10GbE Fiber SR 4x 10GbE Fiber SR	4x GbE Fiber SR 2x 10GbE Fiber SR 4x 10GbE Fiber SR	4x GbE Fiber SR 2x 10GbE Fiber SR 4x 10GbE Fiber SR	4x GbE Fiber SR 2x 10GbE Fiber SR 4x 10GbE Fiber SR
<b>Data Traffic Module Slot 2 (With inline Bypass Support)</b>	<b>Default</b>	N/A	N/A	N/A	N/A	N/A
	<b>Optional</b>	4x GbE Fiber SR 2x 10GbE Fiber SR 4x 10GbE Fiber SR	8x GbE Copper 4x GbE Fiber SR 2x 10GbE Fiber SR 4x 10GbE Fiber SR	8x GbE Copper 4x GbE Fiber SR 2x 10GbE Fiber SR 4x 10GbE Fiber SR	8x GbE Copper 4x GbE Fiber SR 2x 10GbE Fiber SR 4x 10GbE Fiber SR	8x GbE Copper 4x GbE Fiber SR 2x 10GbE Fiber SR 4x 10GbE Fiber SR
<b>Management Interface</b>	2 x GbE Copper 1 x GbE Copper (IPMI) 1 x Serial Console RJ45 2 x USB 3.0 LCD Control & Display	2 x GbE Copper 1 x GbE Copper (IPMI) 1 x Serial Console RJ45 2 x USB 3.0 LCD Control & Display	2 x GbE Copper 1 x GbE Copper (IPMI) 1 x Serial Console RJ45 2 x USB 3.0 LCD Control & Display	2 x GbE Copper 1 x GbE Copper (IPMI) 1 x Serial Console RJ45 2 x USB 3.0 LCD Control & Display	2 x GbE Copper 1 x GbE Copper (IPMI) 1 x Serial Console RJ45 2 x USB 3.0 LCD Control & Display	
<b>Max Network Options</b>	4 x Bridge / 9 x Reverse Proxy	8 x Bridge / 17 x Reverse Proxy	8 x Bridge / 17 x Reverse Proxy	8 x Bridge / 17 x Reverse Proxy	8 x Bridge / 17 x Reverse Proxy	
<b>Hard Drive</b>	2 X 4TB (Raid 1)	2 X 4TB (Raid 1)	2 X 4TB (Raid 1)	2 X 4TB (Raid 1)	2 X 4TB (Raid 1)	
<b>Memory</b>	384GB DDR4	384GB DDR4	128GB DDR4	128GB DDR4	128GB DDR4	
<b>SSL Acceleration</b>	Optional SSL Standard Performance	Optional SSL Standard Performance	Optional SSL Standard Performance	Optional SSL Standard Performance	Optional SSL Standard Performance	
<b>Add-ons</b>	Fiber Channel HBA Hardware Security Module (HSM)	Fiber Channel HBA Hardware Security Module (HSM)	Fiber Channel HBA Hardware Security Module (HSM)	Fiber Channel HBA Hardware Security Module (HSM)	Fiber Channel HBA Hardware Security Module (HSM)	
<b>Power Supply</b>	2 X Hot Swappable 550W, 100-240 VAC (50/60 Hz)	2 X Hot Swappable 550W, 100-240 VAC (50/60 Hz)	2 X Hot Swappable 550W, 100-240 VAC (50/60 Hz)	2 X Hot Swappable 550W, 100-240 VAC (50/60 Hz)	2 X Hot Swappable 550W, 100-240 VAC (50/60 Hz)	
<b>Heat Output - Full Load (BTU)</b>	1010	1010	570	570	570	
<b>Power Consumption - Full Load (W)</b>	350	350	210	210	210	
<b>Form Factor</b>	2U	2U	2U	2U	2U	
<b>Dimensions</b>	81 x 59.5 x 27.5cm	81 x 59.5 x 27.5cm	81 x 59.5 x 27.5cm	81 x 59.5 x 27.5cm	81 x 59.5 x 27.5cm	
<b>Weight</b>	24.5 kg	24.5 kg	24.5 kg	24.5 kg	24.5 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%	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%	Temperature: 0° - 70°C Relative Humidity: 20 - 90%	Temperature: 0° - 70°C Relative Humidity: 20 - 90%	
<b>Safety Agency Approval</b>	CE, FCC, IC, RCM, VCCI, KC, CB, TUV, BSMI, NOM, CCC, BIS, TEC	CE, FCC, IC, RCM, VCCI, KC, CB, TUV, BSMI, NOM, CCC, BIS, TEC	CE, FCC, IC, RCM, VCCI, KC, CB, TUV, BSMI, NOM, CCC, BIS, TEC	CE, FCC, IC, RCM, VCCI, KC, CB, TUV, BSMI, NOM, CCC, BIS, TEC	CE, FCC, IC, RCM, VCCI, KC, CB, TUV, BSMI, NOM, CCC, BIS, TEC	

## Imperva Hardwars Appliance Specifications - 1U Form Factor

Specifications	X2030 <sup>2</sup>
<b>Fault Tolerance</b>	Not available
<b>Throughput<sup>1</sup></b>	500 Mbps
<b>RSA/SEC (2048 BIT)</b>	5000
<b>Latency</b>	Sub-millisecond
<b>Data Interfaces</b>	4 x 1G Copper
<b>Management Interfaces</b>	2x GbE Copper, 1x Serial Console RJ45, 2x USB 3.0
<b>Max Network Segment</b>	(2) Bridge; (5) Proxy, Non-inline
<b>Inline Fail Open (bridging only)</b>	2 Bypass Segments
<b>Hard Drive</b>	1 x 480GB
<b>Memory</b>	16GB DDR4
<b>Power Supply</b>	150 W
<b>AC Power</b>	100-240V, 50-60 Hz
<b>Heat Output - Typical (BTU)</b>	296.7 BTU/Hr
<b>Consumption - Typical (W)</b>	87W
<b>Form Factor</b>	1U
<b>Dimensions</b>	17.25 x 11.5 x 1.73inches, 438 x 292 x 44mm
<b>Weight</b>	13.65 lbs (6.2 kg)
<b>Operating Environment</b>	Temperature: 5° - 40°C Relative Humidity: 20 - 90%
<b>Storage Environment</b>	Temperature: 0° - 70°C Relative Humidity 20-90%
<b>Safety Agency Approval</b>	CE/FCC/cTUVus/VCCI/CCC/KCC/CB
<b>Supported Imperva Products</b>	Web Application Firewall

## Imperva Management Appliances

Imperva management appliances are required to configure the gateways and provide visibility in to system operations and manage the customer’s security and compliance posture. Imperva’s management products deliver superior performance, scalability and unified management capabilities for any size deployment. Whether you are managing a small data center, or a large number of business units, data centers, or customers, Imperva products give you the visibility and control to minimize administrative overhead and ensure a strong data security posture. Management appliances support the Imperva MX Manager and Security Operations Manager (SOM).

**Imperva is an analyst-recognized, cybersecurity leader championing the fight to secure data and applications wherever they reside.**

Specifications	M180 <sup>1</sup>
<b>Fault Tolerance</b>	Dual hot-swap harddrive, Dual hot-swap power supplies
<b>Memory</b>	128GB DDR4
<b>Hard Drive</b>	2 X 4TB (Raid 1)
<b>Management Interface</b>	2 x GbE Copper 1 x GbE Copper (IPMI) 1 x Serial Console RJ45 2 x USB 3.0 LCD Control & Display
<b>Fiber Channel</b>	Optional
<b>Management Port</b>	2 x 100/1000 Copper
<b>Power Supply</b>	2 X Hot Swappable 550W, 100-240 VAC (50/60 Hz)
<b>Heat Output - Full Load (BTU)</b>	570
<b>Power Consumption - Full Load (W)</b>	210
<b>Form Factor</b>	2U
<b>Dimensions</b>	81 x 59.5 x 27.5cm
<b>Weight</b>	24.5kg
<b>Operating Environment</b>	Temperature: 5° - 40°C Relative Humidity: 20 - 90%
<b>Storage Environment</b>	Temperature: 0° - 70°C Relative Humidity 20-90%
<b>Safety Agency Approval</b>	CE, FCC, IC, RCM, VCCI, KC, CB, TUV, BSMI, NOM, CCC, BIS, TEC
<b>Supported Imperva Management Products</b>	MX - Manager SOM - Security Operations Manager

## About Thales

Thales is a global leader in cybersecurity, helping the most trusted companies and organizations around the world protect critical applications, sensitive data, and identities anywhere at scale. Through our innovative services and integrated platforms, Thales helps customers achieve better visibility of risks, defend against cyber threats, close compliance gaps, and deliver trusted digital experiences for billions of consumers every day.