

WebDefend - Appliance Specifications

Trustwave WebDefend is an industry-leading Web Application Firewall (WAF) that provides Web applications with real-time, continuous security and protection against attacks and data loss. WebDefend also helps address compliance with industry regulations such as the Payment Card Industry Data Security Standard (PCI DSS).

WebDefend can protect while out-of-band or inline, offering maximum deployment flexibility. WebDefend's Adaption Engine profiles each protected application and tunes itself automatically, updating its own rule set to offer better and better protection.

WebDefend is a key component of Trustwave's 360 Application Security solution offering and can be deployed as a **virtual appliance** or a **physical appliance**.

Virtual Appliances

Virtual WebDefend VX Series appliances support VMware ESX/ESXi servers and can be deployed as a Sensor, Manager, or Standalone appliance.

WebDefend can be implemented as a virtual appliance to deliver the same best-of-breed Web application protection and compliance as a physical appliance. With WebDefend virtual appliances, you can utilize the hardware of your choice, helping to reduce costs while aligning with your organization's data center strategy. Because of the simplicity and flexibility of WebDefend virtual appliances, you can quickly provision and configure new security services as requirements change, thus offering the same advanced web application protection against attacks and data loss.

	VX15i	VX30i	VX60i	VX110i	Manager
Host Minimal Requirements					
Hypervisor	VMware ESXi v4.0/4.1/5.0/5.1	VMware ESXi v4.0/4.1/5.0/5.1	VMware ESXi v4.0/4.1/5.0/5.1	VMware ESXi v4.0/4.1/5.0/5.1	VMware ESXi v4.0/4.1/5.0/5.1
CPU	Dual Core Server Intel VT-x or AMD-V	Dual Core Server Intel VT-x or AMD-V	Dual Core Server Intel VT-x or AMD-V	Dual Core Server Intel VT-x or AMD-V	Dual Core Server Intel VT-x or AMD-V
Memory	4GB	4GB	4GB	4GB	4GB
Disk	250GB	250GB	250GB	250GB	250GB
Guest Recommended Settings					
Virtual Cores	4	8	12	16	8
Memory	4GB	8GB	8GB	12GB	8GB
Capacity*					
Throughput	25Mbps SSL – 50% derogation	50Mbps SSL – 50% derogation	100Mbps SSL – 50% derogation	600Mbps SSL – 50% derogation	
Transactions/sec	Up to 3,500	Up to 6,000	Up to 9,000	Up to 13,000	
Websites	Out of the box: 30	Out of the box: 60	Out of the box: 60	Out of the box: 200	

* Real capacity depends on underlying hardware, the Web application environment, HTTP compression rates and on selected modules, and can vary significantly due to these factors.

** All Models support 30,000 concurrent connections.

Physical Appliances

Physical WebDefend TX Series appliances can be deployed as a Sensor, Manager, or Standalone appliance, or as a managed WAF service.

		TX30i	TX60i	TX110i	TX120i	Manager
Hardware						
CPU		Quad Core CPU 2.4GHz	Quad Core CPU 2.0GHz	2 Quad Core CPU 2.0GHz	2 Quad Core CPU 2.4GHz	2 Quad Core CPU 2.0GHz
RAM		4GB	8GB	12GB	12GB	8GB
Disk		Single Disk 250GB disk, no RAID	Single Disk 1TB disk, no RAID	1TB RAID - 1	1TB RAID - 1	1TB RAID - 1
Dimensions (W x H x D)	Inches	17.2 X 1.7 X 19.8 in	17.2 x 1.7 x 25.6 in	17.2 x 1.7 x 25.6 in	17.2 x 1.7 x 25.6 in	17.2 x 1.7 x 25.6 in
	Millimeters	437 X 43 X 503 mm	437 x 43 x 650 mm	437 x 43 x 650 mm	437 x 43 x 650 mm	437 x 43 x 650 mm
Form Factor		1U	1U	1U	1U	1U
Weight	LB	Gross: 38lb	Gross: 46lb	Gross: 46lb	Gross: 46lb	Gross: 46lb
	KG	Gross: 17.2kg	Gross: 20.9kg	Gross: 20.9kg	Gross: 20.9kg	Gross: 20.9kg
Power Supply		280W	Dual 650W	Dual 650W	Dual 650W	650W
AC Power		100-240V, 50-60Hz, 5Amp	100-240V, 50-60Hz, 8-4Amp	100-240V, 50-60Hz, 8-4Amp	100-240V, 50-60Hz, 8-4Amp	100-240V, 50-60Hz, 8-4Amp
Heat Output	Typical	331BTU/hr (for rated output power of 97W)	512BTU/hr (for rated output power of 150W)	757BTU/hr (for rated output power of 222W)	727BTU/hr (for rated output power of 213W)	484BTU/hr (for rated output power of 142W)
	Maximal	955BTU/hr (for rated output power of 280W)	2218BTU/hr (for rated output power of 650W)	2218BTU/hr (for rated output power of 650W)	2218BTU/hr (for rated output power of 650W)	2218BTU/hr (for rated output power of 650W)
Network	Default	Silicom Dual Port Copper	Silicom Dual Port Copper	Silicom Quad Port Copper	Silicom Quad Port Copper	
	Optional			Silicom Quad Port Fiber 1GB Silicom Dual Port Fiber 10GB	Silicom Quad Port Fiber 1GB Silicom Dual Port Fiber 10GB	
Inline Bypass		1 segment	1 segment	2 segments	2 segments	
Capacity*						
Throughput		50Mbps SSL – 50% degradation	100Mbps SSL – 50% degradation	600Mbps SSL – 50% degradation	1+ Gbps SSL – 50% degradation	
Transactions/sec		7,000	9,000	13,000	20,000	
Websites		Out of the box: 30	Out of the box: 60	Out of the box: 200	Out of the box: 200	

* Real capacity depends on environment, HTTP compression rates, and on selected modules, and can vary significantly due to these factors.

** All Models support 30,000 concurrent connections.

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