

A10 Defend DDoS Detector Physical Appliance Specifications

DDoS Detector	Thunder 3350-E	Thunder 5845-40G	Thunder 5845	Thunder 7445
Flow Detection Performance				
Flows Per Second (fps)	1 Million	3 Million* ³	3 Million	6 Million
Network Interface				
1 GE Copper	6	0	0	0
1 GE Fiber (SFP)	2	0	0	0
1/10 GE Fiber (SFP+)	8+4* ¹	48	48	48
1/10 GE Fiber (Fixed)	0	0	0	0
40 GE Fiber (QSFP+)	0	0	0	0
100 GE Fiber	0	4 (QSFP28)	4 (QSFP28)	4 (QSFP28)
Management Ports	Ethernet mgmt. port, RJ-45 console port			
Hardware Specifications				
Processor	Intel Xeon 8-core	Intel Xeon 18-core* ³	Intel Xeon 18-core	2 x Intel Xeon 18-core
Memory (ECC RAM)	16 GB	64 GB* ³	64 GB	128 GB
Storage	SSD	SSD	SSD	SSD
Hardware Acceleration	Software	2 x FTA-4, SPE	2 x FTA-4, SPE	3 x FTA-4, SPE
Dimensions (inches)	1.75 (H) x 17.5 (W) x 18(D)	1.75 (H) x 17.5 (W) x 30 (D)	1.75 (H) x 17.5 (W) x 30 (D)	1.75 (H) x 17.5 (W) x 30 (D)
Rack Units (mountable)	1U	1U	1U	1U
Unit Weight	18 lbs	34.3 lbs	34.3 lbs	35.7 lbs
Power Supply (DC option available)	Dual 750W RPS	Dual 1500W RPS	Dual 1500W RPS	Dual 1500W RPS
	80 Plus Platinum efficiency, 100-240 VAC, 50-60 Hz			
Power Consumption (typical/max) ²	151W / 205W	585W / 921W	585W / 921W	784W / 1,078W
Heat in BTU/Hour (typical/max) ²	516 / 700	1,997 / 3,143	1,997 / 3,143	2,676 / 3,679
Cooling Fan (front-to-back airflow)	Hot swap smart fans			
Operating Ranges	Temperature 0° - 40° C Humidity 5% - 95%			
Regulatory Certifications	FCC Class A, UL, CE, UKCA, CB, VCCI, BSMI, RCM RoHS	FCC Class A, UL, CE, CB, VCCI, KCC, BSMI, RCM RoHS	FCC Class A, UL, CE, UKCA, CB, VCCI, KCC, BSMI, RCM RoHS	FCC Class A, UL, CE, CB, VCCI, BSMI, RCM RoHS
Standard Warranty	90-day hardware and software			

Hardware specifications and performance numbers are subject to change without notice and may vary depending on configuration and environmental conditions. As for network interface, it's highly recommended to use A10 Networks qualified optics/transceivers to ensure network reliability and stability.

*1 10Gbps speed only | *2 With base model |

*3 The number of flows per second (fps), and the number of active CPU core counts and memory size may vary depending on the module license. | * Certification in process

A10 Defend DDoS Detector Virtual Appliance Specifications

DDoS Detector Virtual Appliance

Supported Hypervisors	VMware ESXi 6.7 or higher (SR-IOV)
Hardware Requirements	See installation guide
Standard Warranty	90-day software

Virtual Appliance License and Sizing Recommendations*

Zone Object Configuration			
Flows Per Second (fps)	150K	500K	1.5M
vCPU	2	3	5
vRAM	16 GB	32 GB	64 GB
vDisk	40 GB	40 GB	40 GB

Network Object Configuration			
Flows Per Second (fps)	150K	500K	1.5M
vCPU	6	8	24
vRAM	16 GB	32 GB	64 GB
vDisk	40 GB	40 GB	40 GB

* Using A10 Defend DDoS Detector (formerly Thunder TPS) standalone Detector image.

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