

Thunder CFW Specifications Table

	Thunder 840	Thunder 3230(S)	Thunder 3430(S)
Data Center Firewall			
DCFW Throughput	5 Gbps	25 Gbps	38 Gbps
DCFW Layer 4 CPS	200k	1.4 million	2 million
DCFW Concurrent Sessions	8 million	32 million	64 million
DCFW Rules	8k	16k	32k
Secure Web Gateway^{*1 *2}			
SSLi Throughput (2k key)	0.5 Gbps	3.5 Gbps	5.5 Gbps
SSLi CPS (2k key)	300	12.5k	18k
IPsec VPN^{*2}			
IPsec Throughput	1.5 Gbps	15 Gbps	30 Gbps
IPsec Tunnels	50	1k	4k
Network Interface			
1 GE Copper	5	0	0
1 GE Fiber (SFP)	0	4	4
1/10 GE Fiber (SFP+)	2	4	4
40 GE Fiber (QSFP+)	0	0	0
Management Interface	Yes	Yes	Yes
Lights Out Management	No	Yes	Yes
Console Port	Yes	Yes	Yes
Solid-state Drive (SSD)	Yes	Yes	Yes
Processor	Intel Communication Processor	Intel Xeon 4-core	Intel Xeon 6-core
Memory (ECC RAM)	8 GB	16 GB	32 GB
Hardware Acceleration			
64-bit Linear Decoupled Architecture	Yes	Yes	Yes
Flexible Traffic Acceleration	Software	1 x FTA-4 FPGA	1 x FTA-4 FPGA
Switching/Routing	Software	Hybrid ^{*4}	Hybrid ^{*4}
SSL Security Processor ('S' Models)	N/A	Dual	Dual or Quad
Power Consumption (Typical/Max) ^{*3}	57W / 75W	190W / 240W	210W / 260W
Heat in BTU/hour (Typical/Max) ^{*3}	195 / 256	648 / 819	717 / 887
Power Supply (DC option available)	Single 150W (AC only)	Dual 600W RPS	Dual 600W RPS
	100 - 240 VAC, 50-60Hz	80 Plus Platinum efficiency, 100 - 240 VAC, Frequency 50 – 60 Hz	
Cooling Fan	Single Fixed Fan	Hot Swap Smart Fans	
Dimensions	1.75 in (H), 17.0 (W), 12 in (D)	1.75 in (H), 17.5 in (W), 17.15 in (D)	1.75 in (H), 17.5 in (W), 17.15 in (D)
Rack Units (Mountable)	1U	1U	1U
Unit Weight	8.8 lbs	23 lbs	23 lbs
Operating Ranges	Temperature 0° - 40° C Humidity 5% - 95%		
Regulatory Certifications	FCC Class A*, UL, CE*, TUV*, CB*, VCCI*, China CCC, BSMI*, RCM* RoHS	FCC Class A, UL, CE, TUV, CB, VCCI, China CCC, MSIP, BSMI, RCM, NEBS RoHS	FCC Class A, UL, CE, TUV, CB, VCCI, China CCC, MSIP, BSMI, RCM, NEBS RoHS, FIPS 140-2 ^{*1+}
Standard Warranty	90-day Hardware and Software		

*1 SSLi performance are measured in single appliance SSLi deployment. | *2 With maximum SSL | *3 With base model. Number varies by SSL model |

*4 No dedicated hardware but FTA-4 FPGA handles select switching/routing functions | ^ Certification in process | + FIPS model must be purchased

Thunder CFW Specifications Table (continued)

	Thunder 4440(S)	Thunder 5330(S)	Thunder 5440(S)
Data Center Firewall			
DCFW Throughput	70 Gbps	70 Gbps	90 Gbps
DCFW Layer 4 CPS	2.8 million	2.8 million	3.5 million
DCFW Concurrent Sessions	64 million	64 million	128 million
DCFW Rules	32k	32k	64k
Secure Web Gateway^{*1} ^{*2}			
SSLi Throughput (2k key)	8 Gbps	8 Gbps	12.5 Gbps
SSLi CPS (2k key)	22k	24k	28k
IPsec VPN^{*2}			
IPsec Throughput	30 Gbps	35 Gbps	35 Gbps
IPsec Tunnels	4k	4k	8k
Network Interface			
1 GE Copper	0	0	0
1 GE Fiber (SFP)	0	0	0
1/10 GE Fiber (SFP+)	24	8	24
40 GE Fiber (QSFP+)	4	0	4
Management Interface	Yes	Yes	Yes
Lights Out Management	Yes	Yes	Yes
Console Port	Yes	Yes	Yes
Solid-state Drive (SSD)	Yes	Yes	Yes
Processor	Intel Xeon 6-core	Intel Xeon 10-core	Intel Xeon 12-core
Memory (ECC RAM)	32 GB	32 GB	64 GB
Hardware Acceleration			
64-bit Linear Decoupled Architecture	Yes	Yes	Yes
Flexible Traffic Acceleration	2 x FTA-4 FPGA	1 x FTA-4 FPGA	2 x FTA-4 FPGA
Switching/Routing	Hardware	Hybrid ^{*4}	Hardware
SSL Security Processor ('S' Models)	Dual or Quad	Dual or Quad	Dual or Quad
Power Consumption (Typical/Max) ^{*3}	360W / 445W	210W / 260W	360W / 445W
Heat in BTU/hour (Typical/Max) ^{*3}	1,229 / 1,519	717 / 887	1,229 / 1,519
Power Supply (DC option available)	Dual 1100W RPS	Dual 600W RPS	Dual 1100W RPS
	80 Plus Platinum efficiency, 100 - 240 VAC, Frequency 50 – 60 Hz		
Cooling Fan	Hot Swap Smart Fans		
Dimensions	1.75 in (H), 17.5 in (W), 30 in (D)	1.75 in (H), 17.5 in (W), 17.15 in (D)	1.75 in (H), 17.5 in (W), 30 in (D)
Rack Units (Mountable)	1U	1U	1U
Unit Weight	32.5 lbs	23 lbs	32.5 lbs
Operating Ranges	Temperature 0° - 40° C Humidity 5% - 95%		
Regulatory Certifications	FCC Class A [^] , UL [^] , CE [^] , TUV [^] , CB [^] , VCCI [^] , China CCC, BSMI [^] , RCM [^] RoHS	FCC Class A, UL, CE, TUV, CB, VCCI, China CCC, BSMI, RCM, NEBS RoHS	FCC Class A [^] , UL [^] , CE [^] , TUV [^] , CB [^] , VCCI [^] , China CCC, BSMI [^] , RCM [^] RoHS, FIPS 140-2 [†]
Standard Warranty	90-day Hardware and Software		

^{*1} SSLi performance are measured in single appliance SSLi deployment. | ^{*2} With maximum SSL | ^{*3} With base model. Number varies by SSL model |

^{*4} No dedicated hardware but FTA-4 FPGA handles select switching/routing functions | [^] Certification in process | [†] FIPS model must be purchased

Thunder CFW Specifications Table (continued)

	Thunder 5840(S)	Thunder 6440(S)	Thunder 7440(S)
Data Center Firewall			
DCFW Throughput	100 Gbps	150 Gbps	220 Gbps
DCFW Layer 4 CPS	4.5 million	4.5 million	6.5 million
DCFW Concurrent Sessions	128 million	256 million	256 million
DCFW Rules	64k	128k	128k
Secure Web Gateway^{*1 *2}			
SSLi Throughput (2k key)	17.5 Gbps	TBD	TBD
SSLi CPS (2k key)	50k	TBD	TBD
IPsec VPN^{*2}			
IPsec Throughput	35 Gbps	TBD	TBD
IPsec Tunnels	8k	20k	20k
Network Interface			
1 GE Copper	0	0	0
1 GE Fiber (SFP)	0	0	0
1/10 GE Fiber (SFP+)	24	48	48
40 GE Fiber (QSFP+)	4	4	4
Management Interface	Yes	Yes	Yes
Lights Out Management	Yes	Yes	Yes
Console Port	Yes	Yes	Yes
Solid-state Drive (SSD)	Yes	Yes	Yes
Processor	Intel Xeon 18-core	Intel Xeon Dual 8-core	Intel Xeon Dual 18-core
Memory (ECC RAM)	64 GB	128 GB	128 GB
Hardware Acceleration			
64-bit Linear Decoupled Architecture	Yes	Yes	Yes
Flexible Traffic Acceleration	2x FTA-4 FPGA	3 x FTA-4 FPGA	3 x FTA-4 FPGA
Switching/Routing	Hardware	Hardware	Hardware
SSL Security Processor ('S' Models)	Dual or Quad	2 x Dual	2 x Dual
Power Consumption (Typical/Max) ^{*3}	375W / 470W	480W / 550W	690W / 820W
Heat in BTU/hour (Typical/Max) ^{*3}	1,280 / 1,604	1,638 / 1,877	2,355 / 2,798
Power Supply (DC option available)	Dual 1100W RPS	Dual 1100W RPS	Dual 1100W RPS
	80 Plus Platinum efficiency, 100 - 240 VAC, Frequency 50 – 60 Hz		
Cooling Fan	Hot Swap Smart Fans		
Dimensions	1.75 in (H), 17.5 in (W), 30 in (D)	1.75 in (H), 17.5 in (W), 30 in (D)	1.75 in (H), 17.5 in (W), 30 in (D)
Rack Units (Mountable)	1U	1U	1U
Unit Weight	32.5 lbs	36 lbs	36 lbs
Operating Ranges	Temperature 0° - 40° C Humidity 5% - 95%		
Regulatory Certifications	FCC Class A [*] , UL [*] , CE [*] , TUV [*] , CB [*] , VCCI [*] , China CCC, BSMI [*] , RCM [*] RoHS	FCC Class A [*] , UL [*] , CE [*] , TUV [*] , CB [*] , VCCI [*] , China CCC [*] , BSMI [*] , RCM [*] RoHS	FCC Class A [*] , UL [*] , CE [*] , TUV [*] , CB [*] , VCCI [*] , China CCC [*] , BSMI [*] , RCM [*] RoHS, FIPS 140-2 ^{*4}
Standard Warranty	90-day Hardware and Software		
<small>*1 SSLi performance are measured in single appliance SSLi deployment. *2 With maximum SSL *3 With base model. Number varies by SSL model *4 No dedicated hardware but FTA-4 FPGA handles select switching/routing functions ^ Certification in process + FIPS model must be purchased</small>			

Thunder CFW SPE Specifications Table

	Thunder 4435(S) SPE	Thunder 5435(S) SPE	Thunder 6435(S) SPE	Thunder 6635(S) SPE
Data Center Firewall				
DCFW Throughput	38 Gbps	76 Gbps	140 Gbps	150 Gbps
DCFW Layer 4 CPS	2.7 million	2.8 million	5.5 million	5.5 million
DCFW Concurrent Sessions	128 million	128 million	256 million	256 million
DCFW Rules	64k	64k	128k	128k
Secure Web Gateway^{*1*}				
SSLi Throughput (2k key)	8 Gbps	8 Gbps	17.5 Gbps	17.5 Gbps
SSLi CPS (2k key)	22k	22k	50k	50k
IPsec VPN^{*2}				
IPsec Throughput	20 Gbps	20 Gbps	70 Gbps	80 Gbps
IPsec Tunnels	6k	6k	20k	20k
Network Interface				
1 GE Copper	0	0	0	0
1 GE Fiber (SFP)	0	0	0	0
1/10 GE Fiber (SFP+)	16	16	16	12
40 GE Fiber (QSFP+)	0	4	4	0
100 GE Fiber (CXP)	0	0	0	4
Management Interface	Yes	Yes	Yes	Yes
Lights Out Management	Yes	Yes	Yes	Yes
Console Port	Yes	Yes	Yes	Yes
Solid-state Drive (SSD)	Yes	Yes	Yes	Yes
Processor	Intel Xeon 10-core	Intel Xeon 10-core	Intel Xeon Dual 12-core	Intel Xeon Dual 12-core
Memory (ECC RAM)	64 GB	64 GB	128 GB	128 GB
Hardware Acceleration				
64-bit Linear Decoupled Architecture	Yes	Yes	Yes	Yes
Flexible Traffic Acceleration	1 x FTA-3+ FPGA	2 x FTA-3+ FPGA	4 x FTA-3+ FPGA	4 x FTA-3+ FPGA
Security & Policy Engine	Hardware	Hardware	Hardware	Hardware
Switching/Routing	Hardware	Hardware	Hardware	Hardware
SSL Security Processor ('S' Models)	Dual	Dual	Quad	2 x Dual, 2 x Quad or 4 x Quad
Power Consumption (Typical/Max) ^{*3}	350W / 420W	400W / 480W	620W / 710W	995W / 1,150W
Heat in BTU/hour (Typical/Max) ^{*3}	1,195 / 1,433	1,365 / 1,638	2,116 / 2,423	3,395 / 3,924
Power Supply (DC option available)	Dual 1100W RPS	Dual 1100W RPS	Dual 1100W RPS	2+2 1100W RPS
	80 Plus Platinum efficiency, 100 - 240 VAC, Frequency 50 – 60 Hz			
Cooling Fan	Hot Swap Smart Fans			
Dimensions	1.75 in (H), 17.5 in (W), 30 in (D)	1.75 in (H), 17.5 in (W), 30 in (D)	1.75 in (H), 17.5 in (W), 30 in (D)	5.3 in (H), 16.9 in (W), 28 in (D)
Rack Units (Mountable)	1U	1U	1U	3U
Unit Weight	34.5 lbs	35.5 lbs	39 lbs	74.5 lbs / 78 lbs ^{*2}
Operating Ranges	Temperature 0° - 40° C Humidity 5% - 95%			
Regulatory Certifications	FCC Class A, UL, CE, TUV, CB, VCCI, China CCC, BSMI, RCM, MSIP, EAC, NEBS RoHS	FCC Class A, UL, CE, TUV, CB, VCCI, China CCC, BSMI, RCM, EAC, NEBS RoHS	FCC Class A, UL, CE, TUV, CB, VCCI, China CCC, BSMI, RCM, EAC, NEBS RoHS	FCC Class A, UL, CE, TUV, CB, VCCI, EAC, FAC RoHS
Standard Warranty	90-day Hardware and Software			
*1 SSLi performance are measured in single appliance SSLi deployment. *2 With maximum SSL *3 With base model. Number varies by SSL model				

About A10 Networks

A10 Networks is a leader in application networking, providing a range of high-performance application networking solutions that help organizations ensure that their data center applications and networks remain highly available, accelerated and secure. Founded in 2004, A10 Networks is based in San Jose, California, and serves customers globally with offices worldwide. For more information, visit: www.a10networks.com.



A10 Networks, Inc
3 West Plumeria Ave.
San Jose, CA 95134 USA
Tel: +1 408 325-8668
Fax: +1 408 325-8666
www.a10networks.com

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