

A10-Thunder-7445

1U Thunder TPS; 220G soft-scrub / 500G block; 50M pps; 64M sessions; 48x 10G + 4x 100/40G.

A10 Networks Thunder 7445 Threat Protection System (DDoS)

The A10 Networks Thunder 7445 is a 1U Threat Protection System (TPS) in the A10 Thunder series, purpose-built for DDoS mitigation - not as a load-balancing ADC. It provides 220 Gbps of software scrubbing throughput and 500 Gbps of hardware blocking, sustaining 50 million packets per second with 50M SYN-authentication pps and 250M hardware-drop pps, and 64 million concurrent sessions at roughly 60 us average latency. Running A10 ACOS with 3x FTA-4 SPE, it protects service-provider and enterprise edges. This unit is offered as pre-owned used equipment by LinkNewNet.

Specification	Value
Form factor	1U rack-mount
Fixed ports	48x 10/1GE SFP+ + 4x 100/40GE QSFP28
Soft-scrub throughput	220 Gbps
Hardware block throughput	500 Gbps
Throughput (aggregate)	50,000,000 pps
SYN authentication	50,000,000 pps
Hardware drop	250,000,000 pps
Concurrent sessions	64,000,000
Average latency	~60 us
Processor	2x Intel Xeon 18-core
Memory (ECC)	128 GB
Hardware accel.	3x FTA-4, SPE
Power supply	Dual 1500W RPS
Max power draw	784 W typ. / 1078 W max
Dimensions (HxWxD)	1.75 x 17.5 x 30 in
Weight	~35.7 lb

- 1U DDoS Threat Protection System, not a load-balancing ADC.
- 220 Gbps software scrubbing + 500 Gbps hardware blocking.
- 50M pps throughput; 50M SYN-auth pps; 250M hardware-drop pps.
- 64 million concurrent sessions at ~60 us average latency.
- 3x FTA-4 SPE acceleration; dual Xeon 18-core, 128 GB.

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Hardware block throughput	500 Gbps
Aggregate throughput	50,000,000 pps
SYN authentication	50,000,000 pps
Hardware drop	250,000,000 pps
Concurrent sessions	64,000,000
Average latency	~60 us

Interface	Count
10/1 GE fiber (SFP+)	48
100/40 GE fiber (QSFP28)	4
Management	1 x Ethernet mgmt + LOM
Console	1 x RJ-45

Component	Specification
Processor	2x Intel Xeon 18-core
Memory (ECC)	128 GB
Storage	SSD
Hardware acceleration	3x FTA-4, SPE
ACOS	A10 ACOS platform
Power supply	Dual 1500W RPS (redundant)
Max power draw	784 W typ. / 1078 W max
Dimensions (HxWxD)	1.75 x 17.5 x 30 in
Weight	~35.7 lb

Deployment	Description
DDoS mitigation	Multi-vector L3-L7 attack detection and blocking
SYN authentication	Legitimate-client verification at scale
Service-provider edge	Carrier-grade scrubbing and blocking
Enterprise perimeter	Data-center DDoS protection

Item	Detail
Platform	A10 Thunder 7445 TPS (DDoS)
Lifecycle	Threat Protection System (used hardware)
Support software	Best effort / as-available for used hardware
Note	Confirm exact SKU / ACOS release before ordering

This used networking product is offered for resale by LinkNewNet. Applicable regulatory and safety markings are printed on the original product nameplate. A10 Networks equipment is generally certified to the following standards; the exact marks on a given unit depend on its build revision and region of sale.

Category	Standard / Certification
Safety	UL / cUL (UL 62368-1 / IEC 60950-1 where applicable)
EMC emissions	FCC Part 15 (CFR 47) Class A, ICES-003 Class A, EN 55032 Class A
EMC immunity	EN 55024 / EN 55035, CISPR 24 / CISPR 35
Environmental	RoHS, REACH, WEEE Directive 2012/19/EU
NEBS / carrier	NEBS Level 3 on selected carrier-grade Thunder platforms
Power	Redundant / hot-swappable PSU on selected models; 80 PLUS efficiency
Input voltage	100-240 V AC, 50/60 Hz auto-ranging (regional PSU variants)
Operating temp	0 to 40 deg C (32 to 104 deg F), see model datasheet for derating
Storage temp	-40 to 70 deg C (-40 to 158 deg F)
Humidity	5% to 90% non-condensing
Acoustics	Fan noise varies by platform; high-end units require proper rack airflow
Country of origin	See product packaging label for country of manufacture

This unit is sold as a pre-owned (used) networking product by LinkNewNet. Standard LinkNewNet used-hardware warranty terms apply and are confirmed with your sales representative at the time of order. Original A10 Networks service contract coverage is not included and is generally not transferable on used equipment; support is provided by LinkNewNet for the used unit.

Service	Description
Used-hardware warranty	Standard LinkNewNet coverage on tested units
Testing	Every unit inspected and tested before dispatch
Return material authorization	Required for all returns
Condition	Stock graded, cleaned, firmware verified where possible
Original vendor support	Not included; A10 contract is not transferable
LinkNewNet support	Confirms revision level and software compatibility
Software / ACOS	Firmware status confirmed at time of sale where possible
Spare / spare PSU	RMA and spare availability confirmed with sales
DOA policy	Defective-on-arrival units handled per LinkNewNet policy

To order this used A10 Networks unit, contact LinkNewNet sales. Provide the exact model, part/SKU, quantity, and destination region so the correct power cord and shipping options can be quoted. Stock is graded and serial-number tracked; request current availability before ordering.

Item	Notes
Product model	A10-Thunder-7445
Condition	Used / pre-owned, graded stock
Power cord	Select appropriate regional power cable at order time
Software / license	Confirm ACOS release and feature licensing with sales
Spare / accessory	Refer to LinkNewNet product listing
Lead time	Confirm with LinkNewNet sales at time of order
Min order qty	Typically 1 unit; volume pricing available
Warranty	LinkNewNet used-hardware warranty
Shipping	Insured, tracked worldwide shipping
Payment	Common trade terms; request quote

Every used A10 Networks unit sold by LinkNewNet passes a documented pre-shipment inspection covering power-on test, interface status, firmware load and general condition. Units are cleaned and graded before dispatch. If an item arrives defective-on-arrival or does not match the quoted grade, contact LinkNewNet support to arrange resolution under the applicable warranty terms.

Item	Detail
Pre-shipment test	Power-on, interface status and firmware verification
Grade	Stock graded and serial-number tracked
Packaging	Anti-static protection, secure industrial packaging
DOA support	Defective-on-arrival units resolved per LinkNewNet policy
After-sales	Revision / compatibility confirmation before ordering

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Performance figures quoted are measured under specific test conditions and represent peak laboratory results. Actual performance in production environments will vary depending on traffic mix, packet size, feature configuration, hardware revision, and software version. Throughput and session numbers may decrease when optional features are enabled. Figures for this pre-owned unit are taken from the manufacturer's published specifications for the model; each unit is tested by LinkNewNet before dispatch.

This document is provided for informational purposes only and does not constitute a binding commitment. Specifications are subject to change without notice. Refer to LinkNewNet sales for confirmation of any information in this document before placing an order.

Field	Value
Document title	A10-Thunder-7445 A10 Networks Technical Datasheet

Field	Value
Document version	v1.0
Publication date	September 2026
Source publisher	LinkNewNet (independent reseller of pre-owned A10 Networks equipment)
Distribution	Public
Language	English
Contact	sales@linknewnet.com
Website	www.linknewnet.com