

A10-Thunder-8665

1.5U new-gen CGN SPE; 550G CGN; 8.5M TCP CPS; 800M sessions; 12x 400G QSFP-DD + 16x 100G.

A10 Networks Thunder 8665 Carrier-Grade NAT (CGN) / CGNAT Gateway

The A10 Networks Thunder 8665 is a new-generation 1.5U Carrier-Grade NAT (CGN) gateway in the A10 Thunder series (8665S: CGN SPE / CFW-CGN / Defend Mitigator). It is purpose-built for large-scale CGNAT, IPv4 address-space extension and IPv6 migration at very high scale - not as a load-balancing ADC. Running A10 ACOS, the Thunder 8665 delivers 550 Gbps CGN throughput, 8.5 million full TCP connections per second, 800 million concurrent sessions and 740 million pps SDF filtering, with an integrated SSL security processor. This unit is offered as pre-owned used equipment by LinkNewNet.

Specification	Value
Form factor	1.5U rack-mount
Fixed ports	48x 10/1GE SFP+ + 16x 100/40GE QSFP28 + 12x 400G QSFP-DD
CGN throughput	550 Gbps
Full TCP CPS	8,500,000 / sec
Concurrent sessions	800,000,000
SDF filtering	740,000,000 pps
SSL security processor	Yes
Processor	2x Intel Xeon 36-core
Memory (ECC)	512 GB
Hardware accel.	3x FTA-6, SPE
Power supply	Dual 2500W RPS
Max power draw	1491 W typ. / 1720 W max
Dimensions (HxWxD)	2.625 x 17.5 x 30 in
Weight	~44.9 lb

- New-generation 1.5U CGN / CGNAT gateway (8665S: CGN SPE / CFW-CGN).
- 550 Gbps CGN throughput, 8.5M full TCP CPS, 800M sessions.
- 740M pps SDF filtering; integrated SSL security processor.
- Not a load-balancing ADC - purpose-built NAT / translation platform.
- 3x FTA-6 SPE; dual Xeon 36-core, 512 GB; dual 2500W PSU.

Specification	A10-Thunder-8665
CGN throughput	550 Gbps

Specification	A10-Thunder-8665
Full TCP connections per second	8,500,000
Concurrent NAT sessions	800,000,000
SDF filtering	740,000,000 pps
IPv4 / IPv6	CGNAT, NAT44, NAT64, DS-Lite, 6rd

Interface	Count
10/1 GE fiber (SFP+)	48
100/40 GE fiber (QSFP28)	16
400G fiber (QSFP-DD)	12
Management	1 x Ethernet mgmt + LOM
Console	1 x RJ-45

Component	Specification
Processor	2x Intel Xeon 36-core
Memory (ECC)	512 GB
Storage	SSD
Hardware acceleration	3x FTA-6, SPE; SSL security processor
ACOS	A10 ACOS platform
Power supply	Dual 2500W RPS (redundant)
Max power draw	1491 W typ. / 1720 W max
Dimensions (HxWxD)	2.625 x 17.5 x 30 in
Weight	~44.9 lb

Deployment	Description
CGNAT	Very large-scale IPv4 address sharing for subscribers
IPv6 migration	NAT64 / DS-Lite / 6rd transition mechanisms
IPv4 extension	Address-space extension for service providers
Logging	Syslog / RADIUS NAT logging for compliance

Item	Detail
Platform	A10 Thunder 8665 (8665S) CGN / CGNAT

Item	Detail
Lifecycle	New-generation carrier-grade NAT platform (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-8665
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

A10 Networks, Thunder, AX and ACOS are trademarks or registered trademarks of A10 Networks, Inc. in the United States and other countries. This product is sold as pre-owned used equipment by LinkNewNet, an independent reseller. LinkNewNet is not affiliated with, endorsed by, or sponsored by A10 Networks, Inc. Third-party trademarks mentioned are the property of their respective owners. All specifications are subject to change without notice.

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-8665 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