

This paper provides technical information about the hardware platforms that Alteon NG offering ships on.



Alteon 5224



Alteon 5208



Alteon 6420



Alteon 8420

Specifications	Alteon 5224	Alteon 5208	Alteon 6420	Alteon 8420
Available throughput licenses	5, 10 and 16 Gbps	6, 12 and 26 Gbps	30, 40 and 80 Gbps	100 and 160 Gbps
Number of virtual ADC instances	Up to 24 instances	Up to 24 instances	Up to 48 instances	Up to 100 instances
Layer 4 connections per second	510,000 CPS	778,000 CPS	1.4M CPS	3.4M CPS
Layer 7 requests per second	757,000 RPS	920,000 RPS	1.7M RPS	5.5M RPS
SSL connections per second, 2K keys (Std/XL/Extreme)	400 / 11,000 CPS	600 / 6,000 / 13,000 CPS	2,000 / 33,000 / 78,000 CPS	4,000 / 34,000 / 99,000 CPS
SSL throughput, 2K keys (Std/XL/Extreme)	1.8 / 6.7 Gbps	2.5 / 7 / 7.5 Gbps	6 / 15 / 15 Gbps	9 / 25 / 35 Gbps
Compression (Std/XL/Extreme)	1 Gbps	2 / 3 / 6 Gbps	4 / 14 / 17 Gbps	8 / 14 / 30 Gbps
Routing Protocols	OSPF, RIP, RIP II, BGP	OSPF, RIP, RIP II, BGP	OSPF, RIP, RIP II, BGP	OSPF, RIP, RIP II, BGP
Processor	1x Intel quad-core CPU	1x Intel quad-core CPU	2x Intel octa-core CPUs	2x Intel 10-core CPUs
Memory	24GB up to 48GB	8GB up to 32GB	32GB up to 64GB	128GB up to 256GB
Traffic Ports	2 x 10 GbE SFP+ 16 x 1 GbE SFP 8 x 1 GbE RJ45	2 x 10 GbE SFP+ 8 x 1 GbE RJ45	4 x 40 GbE QSFP+ 20 x 10 GbE SFP+	4 x 40 GbE QSFP+ 20 x 10 GbE SFP+
Pluggable Optics	SFP+ pluggable modules: • Short reach SFP+, 10GBASE-SR • Long reach SFP+, 10GBASE-LR SFP pluggable modules: • Short reach SFP, 1000BASE-SX • Short reach SFP, 1000BASE-LX • Long reach SFP, 1000BASE-ZX • Pluggable Copper, 1000BASE-T	SFP+ pluggable modules: • Short reach SFP+, 10GBASE-SR • Long reach SFP+, 10GBASE-LR SFP pluggable modules: • Short reach SFP, 1000BASE-SX • Long reach SFP, 1000BASE-LX • Extra reach SFP, 1000BASE-ZX • Pluggable Copper, 1000BASE-T	QSFP+ pluggable modules: • Short reach QSFP, 40GBASE-SR4 • Long reach QSFP, 40GBASE-LR4 SFP+ pluggable modules: • Short reach SFP+, 10GBASE-SR • Long reach SFP+, 10GBASE-LR SFP pluggable modules: • Short reach SFP, 1000BASE-SX • Long reach SFP, 1000BASE-LX • Pluggable Copper, 1000BASE-T	QSFP+ pluggable modules: • Short reach QSFP, 40GBASE-SR4 • Long reach QSFP, 40GBASE-LR4 SFP+ pluggable modules: • Short reach SFP+, 10GBASE-SR • Long reach SFP+, 10GBASE-LR SFP pluggable modules: • Short reach SFP, 1000BASE-SX • Long reach SFP, 1000BASE-LX • Pluggable Copper, 1000BASE-T
USB Port	Yes	Yes	Yes	Yes
RS-232C Console	RJ-45 Serial Connection	RJ-45 Serial Connection	RJ-45 Serial Connection	RJ-45 Serial Connection
Power	Auto-range power supply: AC: 100-240V, 47-63 Hz DC: -36~-72V Power consumption: 210 W Dual power supply is optional	Auto-range power supply: AC: 100-240 V, 47-63 Hz DC: -36~-72 V Power consumption: 140 W Dual power supply is optional	Auto-range power supply (80 plus gold certified): AC: 100-240 V, 47-63 Hz DC: -42~-72 V Power consumption: 600W Dual power supply is optional	Auto-range power supply (80 plus gold certified): AC: 100-240 V, 47-63 Hz DC: -42~-72 V Power consumption: 670W Dual power supply
Heat dissipation	716 BTU/h	480 BTU/h	2050 BTU/h	2290 BTU/h
Dimensions	Width: 424 mm (17 in) Depth: 432 mm (17 in) Height: 88 mm (3.4 in / 2U) EIA Rack or Standalone: 482 mm (19 in)	Width: 424 mm (17 in) Depth: 406 mm (16 in) Height: 44 mm (1.7 in / 1U) EIA Rack or Standalone: 482 mm (19 in)	Width: 424 mm (17 in) Depth: 537 mm (21 in) Height: 88 mm (3.4 in / 2U) EIA Rack or Standalone: 482 mm (19 in)	Width: 424 mm (17 in) Depth: 600 mm (24 in) Height: 88 mm (3.4 in / 2U) EIA Rack or Standalone: 482 mm (19 in)
Weight (Std/XL/Extreme)	Single power supply: 9.3 Kg (20.5 lbs) / 9.8 Kg (21.6 lbs) Dual power supply: 10.8 Kg (23.8 lbs) / 11.3 Kg (24.9 lbs)	Single power supply: 6 kg (13.2 lbs) Dual power supply: 7 kg (15.4 lbs)	Single power supply: 13.2Kg (29.1lbs) / 13.7Kg (30.2 lbs) / 14.7Kg (32.4 lbs) Dual power supply: 14.35 Kg (31.63 lbs) / 14.85 Kg (32.73 lbs) / 15.85 Kg (34.95 lbs)	Single power supply: 16.15Kg (35.53lbs) / 16.65Kg (36.63 lbs) / 17.65Kg (38.83 lbs)
Environmental	Operating temperature: 0-40 °C (32-104 °F) Humidity: 5% to 95% non-condensing	Operating temperature: 0-40 °C (32-104 °F) Humidity: 10% to 95% non-condensing	Operating temperature: 0-40 °C (32-104 °F) Humidity: 10% to 95% non-condensing	Operating temperature: 0-40 °C (32-104 °F) Humidity: 10% to 95% non-condensing
Certifications	Safety: CE LVD(EN 60950-1), CB - IEC 60950-1, CCC, cTUVus EMC: CE EMC (EU directive 2004/108/EC), FCC Part 15B Class A, ICES-003, VCCI, C-Tick RoHS Compliant (EU directive 2011/65/EC)		Safety: CE LVD(EN 60950-1), CB - IEC 60950-1, CCC, cTUVus EMC: CE EMC (EU directive 2004/108/EC), FCC Part 15B Class A, ICES-003, VCCI, C-Tick RoHS Compliant (EU directive 2011/65/EC) 6420/8420 has NEBS version	