



Alteon 5208



Alteon 5208S

SPECIFICATIONS

PERFORMANCE

Maximum L4/L7 throughput	26Gbps / 20Gbps	26Gbps / 20Gbps
Layer 4 connections per second	630K	630K
Maximum Layer 4 concurrent connections	50M	50M
Layer 7 requests per second	850K	850K

SSL PERFORMANCE

RSA CPS (2K Keys)	2.3K	20.5K
ECC CPS (ECDSA-P256)	9K	10K
Bulk Encryption (Gbps)	9.2	9.5

LICENSES

Available throughput licenses	6, 12 and 26 Gbps	6, 12 and 26 Gbps
Max number of virtual ADC instances*	24	24

HW SPECIFICATIONS

Processor	Intel quad-core CPU	Intel quad-core CPU
Memory	16GB / 32GB	16GB / 32GB
Traffic Ports	2 x 10 GbE SFP+ 8 x 1 GbE RJ45	2 x 10 GbE SFP+ 8 x 1 GbE RJ45
HPP (High Performance Package)	Includes 32GB RAM upgrade, 500GB SSD, Dual power supply, 2 x 10Gbps pluggable optics multimode SR	Includes 32GB RAM upgrade, 500GB SSD, Dual power supply, 2 x 10Gbps pluggable optics multimode SR
USB Port	Yes	Yes
RS-232C Console	RJ-45 Serial Connection	RJ-45 Serial Connection

ENVIRONMENTAL SPECIFICATIONS

Power	Auto-range power supply 80 plus certified AC: 100-240V, 47-63 Hz DC: -36--72V Power consumption: 140W Dual power supply is optional	Auto-range power supply 80 plus certified AC: 100-240V, 47-63 Hz DC: -36--72V Power consumption: 140W Dual power supply is optional
Heat dissipation	480 BTU/h	480 BTU/h
Dimensions	436 mm (17.1") W x 406 mm (16") D x 44 mm (1.7" / 1U) H EIA Rack or Standalone: 482 mm (19")	436 mm (17.1") W x 406 mm (16") D x 44 mm (1.7" / 1U) H EIA Rack or Standalone: 482 mm (19")
Weight	Single power supply: 6 Kg (13.2 lbs) Dual power supply: 7 Kg (15.4 lbs)	Single power supply: 6.5 Kg (14.3 lbs) Dual power supply: 7.5 Kg (16.5 lbs)
Operating Environmental	Temperature: 0-40 °C (32-104 °F) Humidity: 5% to 95% non-condensing	Temperature: 0-40 °C (32-104 °F) Humidity: 5% to 95% non-condensing
Airflow Direction	Front-Right/Front-Left-To-Back	Front-Right/Front-Left-To-Back
Min CFM	50	50

CERTIFICATIONS

Compliance	RoHS Compliant (EU directive 2011/65/EU)
Safety	IEC 62368-1 (US, EU, CA), GB4943 (China), CNS 14336 (Taiwan), K 60950-1 (Korea), CU TR 004/2011 (Russia)
EMC	Directive 2014/30/EU, LVD DIRECTIVE 2014/35/EU, FCC Part 15B (Class A), ICES0003, ETSI EN 300 386 V2.1.1 (2016-07), EN 61000-3-2, EN 61000-3-3, AS/NZS EN 300386 V2.1.1, ANNEX TO RES N° 442 (Brazil), CISPR 32, GB 9254-2008, CU TR 020 2011, KN 32/35, CNS 13438
EMI	VCCI & ICES , KCC (CE/FCC Class A)



SPECIFICATIONS

PERFORMANCE

Maximum L4/L7 throughput	80 Gbps / 71 Gbps	80 Gbps / 71 Gbps	80 Gbps / 71 Gbps
Layer 4 connections per second	1.4M	1.4M	1.4M
Maximum Layer 4 concurrent connections	82M	82M	82M
Layer 7 requests per second	2.55M	2.55M	2.55M

SSL PERFORMANCE

RSA CPS (2K Keys)	7.6K	30K	53K
ECC CPS (ECDSA-P256)	18K	20K	27.3K
Bulk Encryption (Gbps)	21	22	22

LICENSES

Available throughput licenses	30, 60 and 80 Gbps	30, 60 and 80 Gbps	30, 60 and 80 Gbps
Max number of virtual ADC instances*	32	32	32

HW SPECIFICATIONS

Processor	Intel 6-core CPU	Intel 6-core CPU	Intel 6-core CPU
Memory	32GB/up to 256GB	32GB/up to 256GB	32GB/up to 256GB
Traffic Ports	24 x 10 GbE SFP+	24 x 10 GbE SFP+	24 x 10 GbE SFP+
HPP (High Performance Package)	Includes 64GB RAM, 500GB SSD, Dual power supply, 6 x 10Gbps pluggable optics multimode SR	Includes 64GB RAM, 500GB SSD, Dual power supply, 6 x 10Gbps pluggable optics multimode SR	Includes 64GB RAM, 500GB SSD, Dual power supply, 6 x 10Gbps pluggable optics multimode SR
USB Port	Yes	Yes	Yes
RS-232C Console	RJ-45 Serial Connection	RJ-45 Serial Connection	RJ-45 Serial Connection

ENVIRONMENTAL SPECIFICATIONS

Power	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz DC: -40~-72V Power consumption: 250W Dual power supply is optional	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz DC: -40~-72V Power consumption: 250W Dual power supply is optional	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz DC: -40~-72V Power consumption: 250W Dual power supply is optional
Heat dissipation	850 BTU/h	850 BTU/h	850 BTU/h
Dimensions	436 mm (17.1") W x 480 mm (18.9") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")	436 mm (17.1") W x 480 mm (18.9") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")	436 mm (17.1") W x 480 mm (18.9") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")
Weight	Single power supply: 10.5 Kg (23.1 lbs) Dual power supply: 11.2 Kg (24.7 lbs)	Single power supply: 11 Kg (24.2 lbs) Dual power supply: 11.7 Kg (25.8 lbs)	Single power supply: 11 Kg (24.2 lbs) Dual power supply: 11.7 Kg (25.8 lbs)
Operating Environmental	Temperature: 0-40 °C (32-104 °F) Humidity: 10% to 95% non-concurring	Temperature: 0-40 °C (32-104 °F) Humidity: 10% to 95% non-concurring	Temperature: 0-40 °C (32-104 °F) Humidity: 10% to 95% non-concurring
Airflow Direction	Front-To-Back	Front-To-Back	Front-To-Back
Min CFM	200	200	200

CERTIFICATIONS

Compliance	RoHS Compliant (EU directive 2011/65/EU)
Safety	IEC 62368-1 (US, EU, CA), GB4943 (China), CNS 14336 (Taiwan), K 60950-1 (Korea), CU TR 004/2011 (Russia)
EMC	Directive 2014/30/EU, LVD DIRECTIVE 2014/35/EU, FCC Part 15B (Class A), ICES0003, ETSI EN 300 386 V2.1.1 (2016-07), EN 61000-3-2, EN 61000-3-3, AS/NZS EN 300386 V2.1.1, ANNEX TO RES N° 442 (Brazil), CISPR 32, GB 9254-2008, CU TR 020 2011, KN 32/35, CNS 13438
EMI	VCCI & ICES , KCC (CE/FCC Class A)



SPECIFICATIONS

PERFORMANCE

Maximum L4/L7 throughput	80 Gbps / 71 Gbps	80 Gbps / 71 Gbps
Layer 4 connections per second	1.4M	1.4M
Maximum Layer 4 concurrent connections	184M	184M
Layer 7 requests per second	1.95M	1.95M

SSL PERFORMANCE

RSA CPS (2K Keys)	30K	42K
ECC CPS (ECDSA-P256)	20K	25.7K
Bulk Encryption (Gbps)	17	17

LICENSES

Available throughput capacity licenses	60 and 80 Gbps	60 and 80 Gbps
Max number of virtual ADC instances*	64	64

HW SPECIFICATIONS

Processor	2 x Intel 6-core CPU	2 x Intel 6-core CPU
Memory	32GB/up to 256GB	32GB/up to 256GB
Traffic Ports	4 x 40 GbE QSFP+ 20 x 10 GbE SFP+	4 x 40 GbE QSFP+ 20 x 10 GbE SFP+
HPP (High Performance Package)	Includes 64GB RAM upgrade, 500GB SSD, Dual power supply, 6 x 10Gbps pluggable optics multimode SR, 2 x 40Gbps pluggable optics multimode SR	Includes 64GB RAM upgrade, 500GB SSD, Dual power supply, 6 x 10Gbps pluggable optics multimode SR, 2 x 40Gbps pluggable optics multimode SR
USB Port	Yes	Yes
RS-232C Console	RJ-45 Serial Connection	RJ-45 Serial Connection

ENVIRONMENTAL SPECIFICATIONS

Power	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz DC: -36--72 V Power consumption: 600W Dual power supply is optional	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz DC: -36--72 V Power consumption: 600W Dual power supply is optional
Heat dissipation	2050 BTU/h	2050 BTU/h
Dimensions	426 mm (16.7") W x 537 mm (21.1") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")	426 mm (16.7") W x 537 mm (21.1") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")
Weight	Single power supply: 13.7 Kg (30.2 lbs) Dual power supply: 14.85 Kg (32.73 lbs)	Single power supply: 13.7 Kg (30.2 lbs) Dual power supply: 14.85 Kg (32.73 lbs)
Operating Environmental	Temperature: 0-40 °C (32-104 °F) Humidity: 10% to 95% non-condensing	Temperature: 0-40 °C (32-104 °F) Humidity: 10% to 95% non-condensing
Airflow Direction	Front-To-Back	Front-To-Back
Min CFM	200	200

CERTIFICATIONS

Compliance	RoHS Compliant (EU directive 2011/65/EU) 6420/6420p has NEBS version
Safety	IEC 62368-1 (US, EU, CA), GB4943 (China), CNS 14336 (Taiwan), K 60950-1 (Korea), CU TR 004/2011 (Russia)
EMC	Directive 2014/30/EU, LVD DIRECTIVE 2014/35/EU, FCC Part 15B (Class A), ICES0003, ETSI EN 300 386 V2.1.1 (2016-07), EN 61000-3-2, EN 61000-3-3, AS/NZS EN 300386 V2.1.1, ANNEX TO RES N° 442 (Brazil), CISPR 32, GB 9254-2008, CU TR 020 2011, KN 32/35, CNS 13438
EMI	VCCI & ICES , KCC (CE/FCC Class A)



SPECIFICATIONS

PERFORMANCE

	Alteon 8420	Alteon 8420S	Alteon 8420SL
Maximum L4/L7 throughput	160Gbps / 125Gbps	160Gbps / 125Gbps	160Gbps / 125Gbps
Layer 4 connections per second	4.1M	4.1M	4.1M
Maximum Layer 4 concurrent connections	318M	318M	318M
Layer 7 requests per second	5.4M	5.4M	5.4M

SSL PERFORMANCE

	Alteon 8420	Alteon 8420S	Alteon 8420SL
RSA CPS (2K Keys)	13.3K	50K	98K
ECC CPS (ECDSA-P256)	49K	49K	49K
Bulk Encryption (Gbps)	42	48	48

LICENSES

	Alteon 8420	Alteon 8420S	Alteon 8420SL
Available throughput licenses	160 Gbps	160 Gbps	160 Gbps
Max number of virtual ADC instances*	100	100	100

HW SPECIFICATIONS

	Alteon 8420	Alteon 8420S	Alteon 8420SL
Processor	2 x Intel 10-core CPU	2 x Intel 10-core CPU	2 x Intel 10-core CPU
Memory	128GB up to 256GB	128GB up to 256GB	128GB up to 256GB
Traffic Ports	4 x 40 GbE QSFP+ 20 x 10 GbE SFP+	4 x 40 GbE QSFP+ 20 x 10 GbE SFP+	4 x 40 GbE QSFP+ 20 x 10 GbE SFP+
HPP (High Performance Package)	Includes, 500GB SSD, Dual power supply, 6 x 10Gbps pluggable optics multimode SR, 2 x 40Gbps pluggable optics multimode SR	Includes, 500GB SSD, Dual power supply, 6 x 10Gbps pluggable optics multimode SR, 2 x 40Gbps pluggable optics multimode SR	Includes, 500GB SSD, Dual power supply, 6 x 10Gbps pluggable optics multimode SR, 2 x 40Gbps pluggable optics multimode SR
USB Port	Yes	Yes	Yes
RS-232C Console	RJ-45 Serial Connection	RJ-45 Serial Connection	RJ-45 Serial Connection

ENVIRONMENTAL SPECIFICATIONS

	Alteon 8420	Alteon 8420S	Alteon 8420SL
Power	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz DC: -36--72 V Power consumption: 670W Dual power supply is optional	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz DC: -36--72 V Power consumption: 670W Dual power supply is optional	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz DC: -36--72 V Power consumption: 670W Dual power supply is optional
Heat dissipation	850 BTU/h	850 BTU/h	850 BTU/h
Dimensions	426 mm (16.7") W x 600 mm (23.6") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")	426 mm (16.7") W x 600 mm (23.6") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")	426 mm (16.7") W x 600 mm (23.6") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")
Weight	Single power supply: 15 Kg (33 lbs) Dual power supply: 16.15 Kg (35.53 lbs)	Single power supply: 15.5 Kg (34.2 lbs) Dual power supply: 16.65 Kg (36.63 lbs)	Single power supply: 15.5 Kg (34.2 lbs) Dual power supply: 16.65 Kg (36.63 lbs)
Operating Environmental	Temperature: 0-40 °C (32-104 °F) Humidity: 10% to 95% non-condensing	Temperature: 0-40 °C (32-104 °F) Humidity: 10% to 95% non-condensing	Temperature: 0-40 °C (32-104 °F) Humidity: 10% to 95% non-condensing
Airflow Direction	Front-To-Back	Front-To-Back	Front-To-Back
Min CFM	200	200	200

CERTIFICATIONS

	Alteon 8420
Compliance	RoHS Compliant (EU directive 2011/65/EU)
Safety	IEC 62368-1 (US, EU, CA), GB4943 (China), CNS 14336 (Taiwan), K 60950-1 (Korea), CU TR 004/2011 (Russia)
EMC	Directive 2014/30/EU, LVD DIRECTIVE 2014/35/EU, FCC Part 15B (Class A), ICES0003, ETSI EN 300 386 V2.1.1 (2016-07), EN 61000-3-2, EN 61000-3-3, AS/NZS EN 300386 V2.1.1, ANNEX TO RES N° 442 (Brazil), CISPR 32, GB 9254-2008, CU TR 020 2011, KN 32/35, CNS 13438
EMI	VCCI & ICES , KCC (CE/FCC Class A)

*High vADC density requires a license and RAM upgrade.

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