



Alteon D-9800



Alteon D-9800S



Alteon D-9800SL

SPECIFICATIONS

PERFORMANCE

Maximum L4/L7 throughput	320 Gbps / 210 Gbps	320 Gbps / 210 Gbps	320 Gbps / 210 Gbps
Layer 4 connections per second	4.7M	4.7M	4.7M
Maximum Layer 4 concurrent connections	280M	280M	280M
Layer 7 requests per second	8M	8M	8M

SSL PERFORMANCE

RSA CPS (2K keys)	35K	100K	195K
ECC CPS (P256)	35K	50K	115K
SSL bulk encryption throughput Gbps	30	50	85

LICENSES

Available throughput licenses	240 and 320 Gbps	240 and 320 Gbps	240 and 320 Gbps
Max number of virtual ADC instances*	72	72	72

HW SPECIFICATIONS

Processor	2 x Intel 18-core CPU	2 x Intel 18-core CPU	2 x Intel 18-core CPU
Memory	192GB	192GB	192GB
Traffic ports	8 x 100 GE / 40 GE / 25 GE / 10 GE QSFP28	8 x 100 GE / 40 GE / 25 GE / 10 GE QSFP28	8 x 100 GE / 40 GE / 25 GE / 10 GE QSFP28
HPP (high-performance package)	N/A	N/A	N/A
USB port	Yes	Yes	Yes
RS-232C console	Serial Connection	Serial Connection	Serial Connection

ENVIRONMENTAL SPECIFICATIONS

Power	Auto-range dual power supply 80 plus platinum certified (AC PSU) AC: 100-240 V, 47-63 Hz Power consumption: 800W DC power supply is optional	Auto-range dual power supply 80 plus platinum certified (AC PSU) AC: 100-240 V, 47-63 Hz Power consumption: 800W DC power supply is optional	Auto-range dual power supply 80 plus platinum certified (AC PSU) AC: 100-240 V, 47-63 Hz Power consumption: 800W DC power supply is optional
Heat dissipation	1800 BTU/h	1800 BTU/h	1800 BTU/h
Dimensions	445 mm (17.54") W x 730 mm (28.75") D x 87 mm (3.44" / 2U) H	445 mm (17.54") W x 730 mm (28.75") D x 87 mm (3.44" / 2U) H	445 mm (17.54") W x 730 mm (28.75") D x 87 mm (3.44" / 2U) H
Weight	14.8 Kg (32.6 lbs)	15 Kg (33 lbs)	15.2 Kg (33.5 lbs)
Operating environmental	Temperature: 10-40 °C (50-104 °F) Humidity: 8% to 90% non-condensing	Temperature: 10-40 °C (50-104 °F) Humidity: 8% to 90% non-condensing	Temperature: 10-40 °C (50-104 °F) Humidity: 8% to 90% non-condensing
Airflow direction	Front-To-Back	Front-To-Back	Front-To-Back

COMPLIANCE & CERTIFICATIONS

Compliance			
RoHS2	Compliant (EU directive 2011/65/EU)		
Safety/EMC/EMI	FCC Part 15B (Class A); ICES-003:2016 Issue 6, Class A; ANSI C63.4:2014; EN 60950-1:2006 + A11:2009 +A1:2010 +A12:2011 +A2:2013; EN 62479:2010; EN 50581:2012; EN 55024:2010; EN 55032:2012 Class A; EN 61000-3-2:2014; EN 61000-3-3:2013; AS/NZS CISPR 32:2013; AS/NZS 60950.1: 2011		
Certifications	CCC (China), UL (US, Canada), CE (Europe), FCC (US), KCC (Korea), BSMI (Taiwan), EAC (Russia), VCCI (Japan), NRCS (South Africa), TCVN (Vietnam), BIS (India)		

*High vADC density requires a license.



SPECIFICATIONS

PERFORMANCE

Maximum L4/L7 throughput	160Gbps / 140Gbps	160Gbps / 140Gbps	160Gbps / 140Gbps
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

RSA CPS (2K keys)	13.3K	50K	98K
ECC CPS (EC-P256)	47K	47K	47K
Bulk encryption (Gbps)	42	48	48

LICENSES

Available throughput licenses	160 Gbps	160 Gbps	160 Gbps
Max number of virtual ADC instances*	100	100	100

HW SPECIFICATIONS

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

Power	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz Power consumption: 670W Dual power supply is optional DC power supply is optional	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz Power consumption: 670W Dual power supply is optional DC power supply is optional	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz Power consumption: 670W Dual power supply is optional DC power supply is optional
Heat dissipation	2285 BTU/h	2285 BTU/h	2285 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
Minimum CFM	200	200	200

COMPLIANCE & CERTIFICATIONS

Compliance			
RoHS2	Compliant (EU directive 2011/65/EU)		
Safety/EMC/EMI	FCC Part 15B (Class A); ANSI C63.4:2014; CISPR 32:2012/2015, Class A; AS/NZS CISPR 32:2013/2015, Class A; IEC 60950-1:2005/AMD1:2009; IEC 60950-1:2005/AMD2:2013; IEC 60950-1:2005; EN 60950-1: 2006 / A11: 2009 / A1:2010 / A12: 2011 / A2:2013; AS/NZS 60950.1:2015; IEC 62368-1:2014; EN 62368-1:2014/A11:2017; AS/NZS 62368.1:2018; EN 300 386 V2.1.1 (2016-07), Class A; EN 55032:2015 +AC:2016; EN 61000-3-2:2014, Class A; EN 61000-3-3:2013; EN 61000-4-2:2009, EN 61000-4-3:2006 +A1:2008 +A2:2010; EN 61000-4-4:2012; EN 61000-4-5:2014; EN 61000-4-6:2014		
Certifications	CCC (China), UL (US, Canada), CE (Europe), FCC (US), KCC (Korea), EAC (Russia), VCCI (Japan), Anatel (Brazil)		

*High vADC density requires a license and RAM upgrade.



SPECIFICATIONS

PERFORMANCE

Maximum L4/L7 throughput	200Gbps / 125Gbps	200Gbps / 125Gbps
Layer 4 connections per second	2.5M	2.5M
Maximum Layer 4 concurrent connections	184M	184M
Layer 7 requests per second	4M	4M

SSL PERFORMANCE

RSA CPS (2K keys)	50K	101K
ECC CPS (EC-P256)	30K	47K
Bulk encryption (Gbps)	45	45

LICENSES

Available throughput licenses	200Gbps	200Gbps
Max number of virtual ADC instances*	64	64

HW SPECIFICATIONS

Processor	Intel 12-core CPU	Intel 12-core CPU
Memory	96GB / up to 192GB	96GB / up to 192GB
Traffic ports	2 x 100 GbE QSFP28 20 x 25 GbE SFP28 / 10 GbE SFP+	2 x 100 GbE QSFP28 20 x 25 GbE SFP28 / 10 GbE SFP+
HPP (high-performance package)	Includes 500GB SSD, dual power supply 8 x 10Gbps pluggable optics multimode SR	Includes 500GB SSD, dual power supply 8 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 PSU) AC: 100–240 V, 47–63 Hz Power consumption: 420W Dual power supply is optional DC power supply is optional	Auto-range power supply 80 plus certified (AC PSU) AC: 100–240 V, 47–63 Hz Power consumption: 420W Dual power supply is optional DC power supply is optional
Heat dissipation	1432 BTU/h	1432 BTU/h
Dimensions	438 mm (17.24") W x 438 mm (17.24") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")	438 mm (17.24") W x 438 mm (17.24") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")
Weight	Single power supply: 11 Kg (24.2 lbs) Dual power supply: 12 Kg (26.4 lbs)	Single power supply: 11 Kg (24.2 lbs) Dual power supply: 12 Kg (26.4 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-to-Back	Front-to-Back
Minimum CFM	200	200

COMPLIANCE & CERTIFICATIONS

Compliance

RoHS2	Compliant (EU directive 2011/65/EU)
Safety/EMC/EMI	FCC Part 15, Subpart B; ANSI C63.4:2014; ICES-003 Issue 6:2016 (updated Apr. 2017); CISPR 22:2008; CAN/CSA-CISPR 22-10; IEC 60950-1:2005/AMD1:2009; IEC 60950-1:2005/AMD2:2013; IEC 60950-1:2005; EN 60950-1:2006 /A11:2009 /A1:2010 /A12:2011/ A2:2013; IEC 62368-1:2014; EN 62368-1:2014/A11:2017; EN 55032:2015 +AC:2016 Class A; AS/NZS CISPR 32:2015, Class A; CISPR 32:2015+C1:2016, Class A; EN 55024:2010+A1:2015;EN 55035:2017; EN 61000-3-2:2014, Class A; EN 61000-3-3:2013; EN 61000-4-2:2009, EN 61000-4-3:2006 +A1:2008 +A2:2010; EN 61000-4-4:2012; EN 61000-4-5:2014; EN 61000-4-6:2014+AC:2015; EN 61000-4-11:2004+A1:2017; EN 300 386 V2.1.1 (2016-07)

Certifications	CCC (China), UL (US, Canada), CE (Europe), FCC (US), KCC (Korea), BSMI (Taiwan), EAC (Russia), VCCI (Japan), Anatel (Brazil)
----------------	--

*High vADC density requires a license and RAM upgrade.



SPECIFICATIONS

PERFORMANCE

Maximum L4/L7 throughput	200Gbps / 125Gbps	200Gbps / 125Gbps
Layer 4 connections per second	2.5M	2.5M
Maximum Layer 4 concurrent connections	184M	184M
Layer 7 requests per second	4M	4M

SSL PERFORMANCE

RSA CPS (2K keys)	50K	101K
ECC CPS (EC-P256)	30K	47K
Bulk encryption (Gbps)	45	45

LICENSES

Available throughput licenses	160 and 200Gbps	160 and 200Gbps
Max number of virtual ADC instances*	64	64

HW SPECIFICATIONS

Processor	Intel 12-core CPU	Intel 12-core CPU
Memory	96GB / up to 192GB	96GB / up to 192GB
Traffic ports	6 x 40 GbE QSFP+ 12 x 10 GbE SFP+	6 x 40 GbE QSFP+ 12 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
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 PSU) AC: 100–240 V, 47–63 Hz Power consumption: 400W Dual power supply is optional DC power supply is optional	Auto-range power supply 80 plus certified (AC PSU) AC: 100–240 V, 47–63 Hz Power consumption: 400W Dual power supply is optional DC power supply is optional
Heat dissipation	1364 BTU/h	1364 BTU/h
Dimensions	438 mm (17.24") W x 438 mm (17.24") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")	438 mm (17.24") W x 438 mm (17.24") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")
Weight	Single power supply: 11 Kg (24.2 lbs) Dual power supply: 12 Kg (26.4 lbs)	Single power supply: 11 Kg (24.2 lbs) Dual power supply: 12 Kg (26.4 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-to-Back	Front-to-Back
Minimum CFM	200	200

COMPLIANCE & CERTIFICATIONS

Compliance

RoHS2	Compliant (EU directive 2011/65/EU)
Safety/EMC/EMI	FCC Part 15, Subpart B; ANSI C63.4:2014; ICES-003 Issue 6:2016 (updated Apr. 2017); CISPR 22:2008; CAN/CSA-CISPR 22-10; IEC 60950-1:2005/AMD1:2009; IEC 60950-1:2005/AMD2:2013; IEC 60950-1:2005; EN 60950-1:2006 / A11:2009 / A1:2010 / A12:2011 / A2:2013; IEC 62368-1:2014; EN 62368-1:2014/A11:2017; EN 55032:2015 +AC:2016 Class A; AS/NZS CISPR 32:2015, Class A; CISPR 32:2015+C1:2016, Class A; EN 55024:2010+A1:2015; EN 55035:2017; EN 61000-3-2:2014, Class A; EN 61000-3-3:2013; EN 61000-4-2:2009, EN 61000-4-3:2006 +A1:2008 +A2:2010; EN 61000-4-4:2012; EN 61000-4-5:2014; EN 61000-4-6:2014+AC:2015; EN 61000-4-11:2004+A1:2017; EN 300 386 V2.1.1 (2016-07)

Certifications	CCC (China), UL (US, Canada), CE (Europe), FCC (US), KCC (Korea), BSMI (Taiwan), EAC (Russia), VCCI (Japan), Anatel (Brazil)
-----------------------	--

*High vADC density requires a license and RAM upgrade.



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 (EC-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 Power consumption: 600W Dual power supply is optional DC power supply is optional	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz Power consumption: 600W Dual power supply is optional DC 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
Minimum CFM	200	200

COMPLIANCE & CERTIFICATIONS

Compliance

RoHS2	Compliant (EU directive 2011/65/EU)
Safety/EMC/EMI	FCC Part 15, Subpart B, Class A; UL 60950-1:2007 R12.11; CAN/CSA-C22.2 No. 60950-1-07+A1:2011; EN 60950-1:2006 /A11:2009 /A1:2010 /A12:2011; IEC 60950-1:2005 (Second Edition) + Am 1:2009; EN 60950-1:2006+A11:2009+A1:2010; EN 60950-1:2006+A11:2009+A1:2010+A12:2011; EN 60950-1:2006+A11:2009; ICES-003, Issue 5:2012, Class A; NEBS

Certifications	CCC (China), TUV (US, Canada), CE (Europe), FCC (US), KCC (Korea), BSMI (Taiwan), EAC (Russia), VCCI (Japan), Anatel (Brazil), SDPPI (Indonesia)
-----------------------	--

*High vADC density requires a license and RAM upgrade.



Alteon D-6024



Alteon D-6024S



Alteon D-6024SL

SPECIFICATIONS

PERFORMANCE

Maximum L4/L7 throughput	80 Gbps / 74 Gbps	80 Gbps / 74 Gbps	80 Gbps / 74 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 (EC-P256)	18K	20K	27.3K
Bulk encryption (Gbps)	21	22	22
FIPS RSA CPS (2k keys)**	35K	N/A	N/A
FIPS bulk encryption (Gbps)**	24	N/A	N/A

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 Power consumption: 250W Dual power supply is optional DC power supply is optional	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz Power consumption: 250W Dual power supply is optional DC power supply is optional	Auto-range power supply 80 plus certified AC: 100-240 V, 47-63 Hz Power consumption: 250W Dual power supply is optional DC 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
Minimum CFM	200	200	200

COMPLIANCE & CERTIFICATIONS

Compliance	
RoHS2	Compliant (EU directive 2011/65/EU)
Safety/EMC/EMI	FCC Part 15, Class A; IC ICES-003; UL 60950-1:2007 R10.14; CAN/CSA-C22.2 No. 60950-1-07+A1:2011+A2:2014; EN 55022:2010/AC:2011 Class A; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 55024:2010; IEC 61000-4-2:2008; IEC 61000-4-3:2006+A1:2007; IEC 61000-4-4:2012; IEC 61000-4-5:2014; IEC 61000-4-6:2013; IEC 61000-4-8:2009; IEC 61000-4-11:2004; IEC 61000-4-12:2006; IEC 60950-1:2005 (Second Edition)+Am 1:2009+Am 2:2013; EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013; NEBS
Certifications	CCC (China), TUV (US, Canada), CE (Europe), FCC (US), KCC (Korea), BSMI (Taiwan), EAC (Russia), VCCI (Japan), Anatel (Brazil), SDPPI (Indonesia)

*High vADC density requires a license and RAM upgrade.

** - FIPS 140-2 Level 3



SPECIFICATIONS

PERFORMANCE

Maximum L4/L7 throughput	40Gbps / 32Gbps	40Gbps / 32Gbps
Layer 4 connections per second	525K	525K
Maximum Layer 4 concurrent connections	44M	44M
Layer 7 requests per second	930K	930K

SSL PERFORMANCE

RSA CPS (2K keys)	10K	20K
ECC CPS (EC-P256)	7K	12K
Bulk encryption (Gbps)	10	10

LICENSES

Available throughput licenses	12, 22 and 40 Gbps	12, 22 and 40 Gbps
Max number of virtual ADC instances*	10	10

HW SPECIFICATIONS

Processor	Intel 12-core CPU	Intel 12-core CPU
Memory	32GB	32GB
Traffic ports	4 x 25 / 10 GE SFP28 4 x 10 GE SFP+ 12 x 1 GE SFP 8 x 1 GE RJ45	4 x 25 / 10 GE SFP28 4 x 10 GE SFP+ 12 x 1 GE SFP 8 x 1 GE RJ45
HPP (high-performance package)	N/A	N/A
USB port	Yes	Yes
RS-232C console	RJ-45 Serial Connection	RJ-45 Serial Connection
Power	Auto-range power supply 80 plus certified AC: 100-240Vac, 50-60 Hz Power Consumption is 125W Dual power supply is optional	Auto-range power supply 80 plus certified AC: 100-240Vac, 50-60 Hz Power Consumption is 125W Dual power supply is optional
Heat dissipation	427 BTU/h	427 BTU/h
Dimensions	481 mm (18.9") W x 476 mm (18.7") D x 44 mm (1.7"/1U) H EIA Rack or Standalone: 481 mm (18.9")	481 mm (18.9") W x 476 mm (18.7") D x 44 mm (1.7"/1U) H EIA Rack or Standalone: 481 mm (18.9")
Weight	Single power supply: 6.8 Kg (15 lbs) Dual power supply: 7.5 Kg (16.5 lbs)	Single power supply: 6.8 Kg (15 lbs) Dual power supply: 7.5 Kg (16.5 lbs)
Operating environment	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-To-Back	Front-To-Back
Minimum CFM	21.9	21.9

COMPLIANCE & CERTIFICATIONS

Compliance

RoHS2	Compliant (EU directive 2011/65/EU)
Safety/EMC/EMI	FCC Part 15, Subpart B, Class A; IC ICES-003:2016 Issue 6, Class A; ANSI C63.4:2014; UL 60950-1:2007 R10.14; CAN/CSA-C22.2 No. 60950-1-07+A1:2011+A2:2014; UL 62368-1:2007 R10.14; CAN/CSA-C22.2 No. 62368-1-14; EN 55024:2010; EN 55032:2015 +AC:2016 / CISPR 32:2015 +COR1:2016 / AS/NZS CISPR 32:2015, Class A; EN 300 386 V2.1.1 (2016-07); EN 61000-3-2:2014; EN 61000-3-3:2013; EN 61000-4-2:2009; EN 61000-4-3:2006 +A1:2008 +A2:2010; EN 61000-4-4:2012; EN 61000-4-5:2014; EN 61000-4-6:2014; EN 61000-4-8:2010; EN 61000-4-11:2004
Certifications	CCC (China), TUV (US, Canada), CE (Europe), FCC (US), KCC (Korea), BSMI (Taiwan), EAC (Russia), VCCI (Japan), Anatel (Brazil)

*High vADC density requires a license.



SPECIFICATIONS

PERFORMANCE

Maximum L4/L7 throughput	40Gbps / 32Gbps	40Gbps / 32Gbps
Layer 4 connections per second	525K	525K
Maximum Layer 4 concurrent connections	44M	44M
Layer 7 requests per second	930K	930K

SSL PERFORMANCE

RSA CPS (2K keys)	10K	20K
ECC CPS (EC-P256)	7K	12K
Bulk encryption (Gbps)	10	10

LICENSES

Available throughput licenses	12, 22 and 40 Gbps	12, 22 and 40 Gbps
Max number of virtual ADC instances*	10	10

HW SPECIFICATIONS

Processor	Intel 12-core CPU	Intel 12-core CPU
Memory	32GB	32GB
Traffic ports	4 x 25 GE / 10 GE SFP28 16 x 1 GE SFP 8 x 1 GE RJ45	4 x 25 GE / 10 GE SFP28 16 x 1 GE SFP 8 x 1 GE RJ45
HPP (high-performance package)	N/A	N/A
USB port	Yes	Yes
RS-232C console	RJ-45 Serial Connection	RJ-45 Serial Connection
Power	Auto-range power supply 80 plus certified AC: 100-240Vac, 50-60 Hz Power Consumption is 125W Dual power supply is optional	Auto-range power supply 80 plus certified AC: 100-240Vac, 50-60 Hz Power Consumption is 125W Dual power supply is optional
Heat dissipation	427 BTU/h	427 BTU/h
Dimensions	481 mm (18.9") W x 476 mm (18.7") D x 44 mm (1.7"/1U) H EIA Rack or Standalone: 481 mm (18.9")	481 mm (18.9") W x 476 mm (18.7") D x 44 mm (1.7"/1U) H EIA Rack or Standalone: 481 mm (18.9")
Weight	Single power supply: 6.8 Kg (15 lbs) Dual power supply: 7.5 Kg (16.5 lbs)	Single power supply: 6.8 Kg (15 lbs) Dual power supply: 7.5 Kg (16.5 lbs)
Operating environment	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-To-Back	Front-To-Back
Minimum CFM	21.9	21.9

COMPLIANCE & CERTIFICATIONS

Compliance

RoHS2	Compliant (EU directive 2011/65/EU)
Safety/EMC/EMI	FCC Part 15, Subpart B, Class A; IC ICES-003:2016 Issue 6, Class A; ANSI C63.4:2014; UL 60950-1:2007 R10.14; CAN/CSA-C22.2 No. 60950-1-07+A1:2011+A2:2014; UL 62368-1:2007 R10.14; CAN/CSA-C22.2 No. 62368-1-14; EN 55024:2010; EN 55032:2015 +AC:2016 / CISPR 32:2015 +COR1:2016 / AS/NZS CISPR 32:2015, Class A; EN 300 386 V2.1.1 (2016-07); EN 61000-3-2:2014; EN 61000-3-3:2013; EN 61000-4-2:2009; EN 61000-4-3:2006 +A1:2008 +A2:2010; EN 61000-4-4:2012; EN 61000-4-5:2014; EN 61000-4-6:2014; EN 61000-4-8:2010; EN 61000-4-11:2004

Certifications	CCC (China), TUV (US, Canada), CE (Europe), FCC (US), KCC (Korea), BSMI (Taiwan), EAC (Russia), VCCI (Japan), Anatel (Brazil)
-----------------------	---

*High vADC density requires a license.



Alteon D-5208



Alteon D-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 (EC-P256)	9K	12K
Bulk encryption (Gbps)	10	10

LICENSES

Available throughput licenses	6, 12 and 26 Gbps	6, 12 and 26 Gbps
Max number of virtual ADC instances*	22	22

HW SPECIFICATIONS

Processor	Intel quad-core CPU	Intel quad-core CPU
Memory	16GB / up to 32GB	16GB / up to 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 Power consumption: 140W Dual power supply is optional DC power supply is optional	Auto-range power supply 80 plus certified AC: 100-240V, 47-63 Hz Power consumption: 140W Dual power supply is optional DC 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
Minimum CFM	50	50

COMPLIANCE & CERTIFICATIONS

Compliance		
RoHS2	Compliant (EU directive 2011/65/EU)	
Safety/EMC/EMI	FCC Part 15, Class A; IC ICES-003; UL 60950-1:2007 R12.11; CAN/CSA-C22.2 No. 60950-1-07+A1:2011; EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013; IEC 60950-1:2005 (Second Edition)+Am 1:2009+Am 2:2013; EN 60950-1:2006+A11:2009; AS/NZS 60950.1:2015	
Certifications	CCC (China), TUV (US, Canada), CE (Europe), FCC (US), KCC (Korea), BSMI (Taiwan), EAC (Russia), VCCI (Japan), Anatel (Brazil), SDPPI (Indonesia)	

*High vADC density requires a license and RAM upgrade.



Alteon D-4208



Alteon D-4208S

SPECIFICATIONS

PERFORMANCE

Maximum L4/L7 throughput	12Gbps / 11Gbps	12Gbps / 11Gbps
Layer 4 connections per second	183K	183K
Maximum Layer 4 concurrent connections	24M	24M
Layer 7 requests per second	290K	290K

SSL PERFORMANCE

RSA CPS (2K keys)	3K	7.4K
ECC CPS (EC-P256)	3K	4.3K
Bulk encryption (Gbps)	3.5	3.5

LICENSES

Available throughput licenses	6 and 12 Gbps	6 and 12 Gbps
Max number of virtual ADC instances*	N/A	N/A

HW SPECIFICATIONS

Processor	Intel quad-core CPU	Intel quad-core CPU
Memory	8GB / up to 16GB	8GB / up to 16GB
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)	N/A	N/A
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 (Dual PS version) AC: 100-240V, 47-63 Hz Power consumption: 55W Dual power supply is optional	Auto-range power supply 80 plus certified (Dual PS version) AC: 100-240V, 47-63 Hz Power consumption: 55W Dual power supply is optional
Heat dissipation	188 BTU/h	188 BTU/h
Dimensions	436 mm (17.2") W x 336 mm (13.2") D x 44 mm (1.7" / 1U) H EIA Rack or Standalone: 482 mm (19")	436 mm (17.2") W x 336 mm (13.2") D x 44 mm (1.7" / 1U) H EIA Rack or Standalone: 482 mm (19")
Weight	Single power supply: 4.23 Kg (7.1 lbs) Dual power supply: 5.4 Kg (11.9 lbs)	Single power supply: 4.23 Kg (7.1 lbs) Dual power supply: 5.4 Kg (11.9 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-To-Back	Front-To-Back
Minimum CFM	21.9	21.9

COMPLIANCE & CERTIFICATIONS

Compliance

RoHS2	Compliant (EU directive 2011/65/EU)
Safety/EMC/EMI	FCC Part 15, Subpart B, Class A; IC ICES-003:2016 Issue 6, Class A; ANSI C63.4:2014; UL 60950-1:2007 R10.14; CAN/CSA-C22.2 No. 60950-1-07+A1:2011+A2:2014; UL 62368-1:2007 R10.14; CAN/CSA-C22.2 No. 62368-1-14; EN 55024:2010; EN 55032:2015 +AC:2016 / CISPR 32:2015 +COR1:2016 / AS/NZS CISPR 32:2015, Class A; EN 300 386 V2.1.1 (2016-07); EN 61000-3-2:2014; EN 61000-3-3:2013; EN 61000-4-2:2009; EN 61000-4-3:2006 +A1:2008 +A2:2010; EN 61000-4-4:2012; EN 61000-4-5:2014; EN 61000-4-6:2014; EN 61000-4-8:2010; EN 61000-4-11:2004

Certifications	CCC (China), TUV (US, Canada), CE (Europe), FCC (US), KCC (Korea), BSMI (Taiwan), EAC (Russia), VCCI (Japan), Anatel (Brazil)
-----------------------	---

*High vADC density requires a license and RAM upgrade.

This document is provided for information purposes only. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law. Radware specifically disclaims any liability with respect to this document and no contractual obligations are formed either directly or indirectly by this document. The technologies, functionalities, services, or processes described herein are subject to change without notice.

© 2020 Radware Ltd. All rights reserved. The Radware products and solutions mentioned in this sheet are protected by trademarks, patents and pending patent applications of Radware in the U.S. and other countries. For more details, please see: <https://www.radware.com/LegalNotice/>. All other trademarks and names are property of their respective owners.