



SPECIFICATIONS	Alteon D-9800	Alteon D-9800S	Alteon D-9800SL
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	200K
ECC CPS (P256)	35K	50K	140K
SSL bulk encryption throughput Gbps	30	50	100
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	Up to 384 GB	Up to 384 GB	Up to 384 GB
Storage	SSD 0.5TB / 1TB / 2TB / 4TB	SSD 0.5TB / 1TB / 2TB / 4TB	SSD 0.5TB / 1TB / 2TB / 4TB
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
Compression Throughput	40 Gbps	40 Gbps	40 Gbps
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.

**S/SL Models include HW SSL acceleration card


SPECIFICATIONS
Alteon D-8600S
Alteon D-8600SL
PERFORMANCE

Maximum L4/L7 throughput	200 Gbps / 150 Gbps	200 Gbps / 150Gbps
Layer 4 connections per second	3.6M	3.6M
Layer 7 requests per second	5.8M	5.8M

SSL PERFORMANCE

RSA CPS (2K keys)	110K	150K
ECC CPS (P256)	80K	100K
Bulk encryption (Gbps)	60	80

LICENSES

Available throughput licenses	100 and 200 Gbps	100 and 200 Gbps
Max number of virtual ADC instances	10	10

HW SPECIFICATIONS

Processor	Intel 24-core CPU	Intel 24-core CPU
Memory	128 GB	128 GB
Traffic ports	24 x 25/10Gbe SFP28/SFP+ 8 x 100/40Gbe QSFP28/QSFP	24 x 25/10Gbe SFP28/SFP+ 8 x 100/40Gbe QSFP28/QSFP
USB port	Yes	Yes
RS-232C console	RJ-45 Serial Connection	RJ-45 Serial Connection

ENVIRONMENTAL SPECIFICATIONS

Power	Auto-range dual power supply 80 plus certified Dual AC: 90 - 240 V, 47-63 Hz Power consumption: 450W DC power supply is optional	Auto-range dual power supply 80 plus certified Dual AC: 90 - 240 V, 47-63 Hz Power consumption: 450W DC power supply is optional
Heat dissipation	1535 BTU/h	1535 BTU/h
Dimensions	438 mm (17.24") W x 521 mm (21") D x 88 mm (3.4" / 1U) H EIA Rack or Standalone: 482 mm (19")	438 mm (17.24") W x 521 mm (21") D x 88 mm (3.4" / 1U) H EIA Rack or Standalone: 482 mm (19")
Weight	Dual power supply: 6.5 Kg (14.3 lbs)	Dual power supply: 6.5 Kg (14.3 lbs)
Operating environmental	Temperature: 0-40 °C Humidity: 10% to 90% non-condensing	Temperature: 0-40 °C Humidity: 10% to 90% non-condensing
Airflow direction	Front-Right/Front-Left-To-Back	Front-Right/Front-Left-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	FCC (US), TUV (US, Canada), CE (Europe), VCCI (Japan), IC (Canada), (AU/NZ), EAC (Russia), KCC (Korea), BSMI (Taiwan), Anatel (Brazil), NOM (Mexico), UKCA (UK).


Alteon 7700S

Alteon D-7700SL

Alteon D-7700DS
SPECIFICATIONS
PERFORMANCE

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

SSL PERFORMANCE*

RSA CPS (2K keys)	50K	101K	120K
ECC CPS (EC-P256)	30K	47K	70K
Bulk encryption (Gbps)	45	45	45

LICENSES

Available throughput licenses	100 / 200 Gbps	100 / 200 Gbps	100 / 200Gbps
Max number of virtual ADC instances**	64	64	64

HW SPECIFICATIONS

Processor	Intel 16-Core CPU	Intel 16-Core CPU	Intel 16-Core CPU
Memory	96 GB / Up to 192 GB	96 GB / Up to 192 GB	96GB / Up to 192GB
Storage	SSD 0.5TB / 1TB / 2TB / 4TB	SSD 0.5TB / 1TB / 2TB / 4TB	SSD 0.5TB / 1TB / 2TB / 4TB
Traffic ports	2 x 100 / 40 GbE QSFP28 Up to 16x25GbE SFP28 / 20x10GbE SFP+	2 x 100 / 40 GbE QSFP28 Up to 16x25GbE SFP28 / 20x10GbE SFP+	2 x 100 / 40 GbE QSFP28 Up to 16x25GbE SFP28 / 20x10GbE SFP+
HPP (high-performance package)	Includes dual power supply 8 x 10 Gbps pluggable optics multimode SR	Includes dual power supply 8 x 10 Gbps pluggable optics multimode SR	Includes dual power supply 8 x 10 Gbps 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 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	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	1432 BTU/h
Dimensions	438 mm (17.24") W x 527 mm (20.74") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")	438 mm (17.24") W x 527mm (20.74") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")	438 mm (17.24") W x 527mm (20.74") 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)	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	Temperature: 0-40 °C (32-104 °F) Humidity: 5% 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 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)		

*S/SL/DS Models include HW SSL card

**High vADC density requires a license and RAM upgrade


Alteon D-7100S

Alteon D-7100SL

Alteon D-7100DS
SPECIFICATIONS
PERFORMANCE

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

SSL PERFORMANCE*

RSA CPS (2K keys)	50K	101K	120K
ECC CPS (EC-P256)	30K	47K	70K
Bulk encryption (Gbps)	45	45	45

LICENSES

Available throughput licenses	100 / 200 Gbps	100 / 200 Gbps	100 / 200 Gbps
Max number of virtual ADC instances**	64	64	64

HW SPECIFICATIONS

Processor	16-Core CPU	16-Core CPU	16-Core CPU
Memory	96 GB / up to 192 GB	96 GB / up to 192 GB	96 GB / up to 192 GB
Storage	SSD 0.5TB / 1TB / 2TB / 4TB	SSD 0.5TB / 1TB / 2TB / 4TB	SSD 0.5TB / 1TB / 2TB / 4TB
Traffic ports	6 x 40 GbE QSFP+ 12 x 10 GbE SFP+	6 x 40 GbE QSFP+ 12 x 10 GbE SFP+	6 x 40 GbE QSFP+ 12 x 10 GbE SFP+
HPP (high-performance package)	Dual power supply 6 x 10 Gbps pluggable optics multimode SR 2 x 40 Gbps pluggable optics multimode SR	Dual power supply 6 x 10 Gbps pluggable optics multimode SR 2 x 40 Gbps pluggable optics multimode SR	Dual power supply 6 x 10 Gbps pluggable optics multimode SR 2 x 40 Gbps 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 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	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	1364 BTU/h
Dimensions	438 mm (17.24") W x 527 mm (20.74") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")	438 mm (17.24") W x 527 mm (20.74") D x 88 mm (3.4" / 2U) H EIA Rack or Standalone: 482 mm (19")	438 mm (17.24") W x 527 mm (20.74") 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)	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	Temperature: 0-40 °C (32-104 °F) Humidity: 5% 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 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)		

*S/SL/DS Models include HW SSL card.

**High vADC density requires a license and RAM upgrade


SPECIFICATIONS
Alteon D-6300F
Alteon D-6300M
Alteon D-6300HD
PERFORMANCE

Maximum L4/L7 throughput	40 Gbps / 40 Gbps	90 Gbps / 90 Gbps	90 Gbps / 90 Gbps
Layer 4 connections per second	1.4M	1.4M	1.4M
Maximum Layer 4 concurrent connections**	84M	84M	84M
Layer 7 requests per second	2.5M	2.5M	2.5M

SSL PERFORMANCE

RSA CPS (2K keys)	43K	9 ¹ /43K	9 ¹ /43K
ECC CPS (EC-P256)	30K	30K	30K
Bulk encryption (Gbps)	24	24	24

LICENSES

Available throughput licenses	40 Gbps	60 and 90 Gbps	40, 60 and 90 Gbps
Max number of virtual ADC instances*	26	26	26

HW SPECIFICATIONS

Processor	Intel 6-core CPU	Intel 6-core CPU	Intel 6-core CPU
Memory	32 GB / Up to 128GB	32 GB / Up to 128GB	32 GB / Up to 128GB
Storage	SSD 0.5TB / 1TB / 2TB	SSD 0.5TB / 1TB / 2TB	SSD 0.5TB / 1TB / 2TB
Traffic ports	4x25G (2x2) SFP28	Up to 8x1G (1x8) RJ45 – modular Up to 8x10G (2x4) SFP+ – modular Up to 4x25G (2x2) SFP28 – modular	24 x 10G SFP+
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: 90–240 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: 90–240 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: 90–240 V, 47–63 Hz Power consumption: 140W Dual power supply is optional DC power supply is optional
Heat dissipation	480 BTU/h	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")	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: 6.0 Kg (13.2 lbs) Dual power supply: 6.5 Kg (14.3 lbs)	Single power supply: 6.0 Kg (13.2 lbs) Dual power supply: 6.5 Kg (14.3 lbs)	Single power supply: 6.0 Kg (13.2 lbs) Dual power supply: 6.5 Kg (14.3 lbs)
Operating environmental	Temperature: 0-40 °C Humidity: 10% to 90% non-condensing	Temperature: 0-40 °C Humidity: 10% to 90% non-condensing	Temperature: 0-40 °C Humidity: 10% to 90% non-condensing
Airflow direction	Front-Right/Front-Left-To-Back	Front-Right/Front-Left-To-Back	Front-Right/Front-Left-To-Back
Minimum CFM			

COMPLIANCE & CERTIFICATIONS

Compliance			
RoHS2	Compliant (EU directive 2011/65/EU)	Compliant (EU directive 2011/65/EU)	Compliant (EU directive 2011/65/EU)
Certifications	FCC (US), TUV (US, Canada), CE (Europe), VCCI (Japan), IC (Canada), (AU/NZ), EAC (Russia), KCC (Korea), BSMI (Taiwan), Anatel (Brazil), NOM (Mexico), UKCA (UK).		

¹ – Without QAT card

*High vADC density requires a license and RAM upgrade

**High concurrent connections requires 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	32 GB / Up to 256 GB	32 GB / Up to 256 GB	32 GB / Up to 256 GB
Traffic ports	24 x 10 GbE SFP+	24 x 10 GbE SFP+	24 x 10 GbE SFP+
HPP (high-performance package)	Includes 64 GB RAM, Dual power supply, 6 x 10 Gbps pluggable optics multimode SR	Includes 64 GB RAM, Dual power supply, 6 x 10 Gbps pluggable optics multimode SR	Includes 64 GB RAM, Dual power supply, 6 x 10 Gbps 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+A12:2010+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

***S/SL Models include HW SSL acceleration card


SPECIFICATIONS
Alteon D-5820SL
Alteon D-5424SL
PERFORMANCE

Maximum L4/L7 throughput	40 Gbps / 32 Gbps	40 Gbps / 32 Gbps
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)	20K	20K
ECC CPS (EC-P256)	12K	12K
Bulk encryption (Gbps)	10	10

LICENSES

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

HW SPECIFICATIONS

Processor	Intel 12-core CPU	Core CPU
Memory	32 GB	32 GB
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 GE / 10 GE SFP28 16 x 1 GE SFP 8 x 1 GE RJ45
HPP (high-performance package)	Includes 32 GB RAM upgrade, Dual power supply, 2 x 25 Gbps Pluggable Optics Multimode SR, 2 x 10 Gbps pluggable optics multimode SR	
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
Alteon D-5208
Alteon D-5208S
PERFORMANCE

Maximum L4/L7 throughput	26 Gbps / 20 Gbps	26 Gbps / 20 Gbps
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
Storage	SSD 0.5TB / 1TB	SSD 0.5TB / 1TB
Memory	16 GB / Up to 32 GB	16 GB / Up to 32 GB
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 32 GB RAM upgrade, Dual power supply, 2 x 10 Gbps pluggable optics multimode SR	Includes 32 GB RAM upgrade, Dual power supply, 2 x 10 Gbps 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

**S Model includes HW SSL acceleration card



Alteon D-4208S

SPECIFICATIONS

PERFORMANCE

Maximum L4/L7 throughput	20 Gbps / 11 Gbps
Layer 4 connections per second	183K
Maximum Layer 4 concurrent connections	24M
Layer 7 requests per second	290K

SSL PERFORMANCE

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

LICENSES

Available throughput licenses	6, 12 and 20 Gbps
Max number of virtual ADC instances*	N/A

HW SPECIFICATIONS

Processor	Intel quad-core CPU
Memory	8 GB / Up to 16 GB
Traffic ports	2 x 10 GbE SFP+ 8 x 1 GbE RJ45
HPP (high-performance package)	N/A
USB port	Yes
RS-232C console	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
Heat dissipation	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")
Weight	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
Airflow direction	Front-To-Back
Minimum CFM	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

**S Model includes HW SSL acceleration card

ALTEON VA FOR SERVER VIRTUALIZATION ENVIRONMENTS

Alteon VA is available on all leading hypervisors, including VMware ESXi, Microsoft Hyper-V, KVM, OpenStack and Open-XEN.

BANDWIDTH LICENSES

BW License	10M (Lab)	200M	500M	1G	3G	6G	10G	20G	30G
KVM	✓	✓	✓	✓	✓	✓	✓	✓	✓
VMware	✓	✓	✓	✓	✓	✓	✓	✓	✓
OpenXen	✓	✓	✓	✓	✓	✓	✓	✓	✓
HyperV	✓	✓	✓	✓					
OpenStack	✓	✓	✓	✓					

ALTEON VA FOR PUBLIC CLOUDS

Alteon VA is available as a virtual appliance on Microsoft Azure as well as on Amazon Web Services (AWS) via a bring-your-own-license (BYOL)

	AWS	AZURE
Throughput	Up to 10Gbps	Up to 10Gbps
Licenses per instance	30-day Trial License BYOL Bandwidth License: • Lab/Developer, 200 Mbps, 1 Gbps, 4 Gbps, 10 Gbps	30-day Trial License BYOL Bandwidth License: • Lab/Developer, 200 Mbps, 1 Gbps, 4 Gbps, 10 Gbps

SPECIFICATIONS

The maximum performance depends on the computing platform resources and supported licenses. Alteon VA can be offered various performance options to match a specific application services.

FUNCTIONALITY	ALTEON VA
L4 Throughput	13.9 Gbps/ 39 Gbps ¹
L4 connections per second	300K, 1M ¹
L7 requests per second	440K
Maximum L4 concurrent connections	8.4M
SSL RSA TPS (2K keys)	4,600
SSL ECC TPS	21,000
SSL throughput	10 Gbps
Compression throughput	11 Gbps
DNS Query response per second	1.1M

The numbers above are provided for an Alteon VA instance running on DELL - AMD EPYC 7313P 16-Core Processor and Network: vmxnet3-10*2ports

¹Passthrough mode