

# NetScaler

Deliver applications from any cloud—with the experience your users expect



With a software-first approach, NetScaler delivers an exceptional application experience. Simplify your application deployment across traditional and cloud architectures, protect your investment

through flexible licensing, manage your applications wherever they live, and improve application performance and security with real-time visibility and analytics.

Feature	Platinum Edition	Enterprise Edition	Standard Edition	NetScaler Gateway	Universal License*
<b>Application availability</b>					
L4 load balancing and L7 content switching	•	•	•		
Microsoft SQL, MYSQL	•	•	•		
AppExpert rate controls	•	•	•		
IPv6 support	•	•	•		
Traffic domains	•	•	•		
Subscriber-aware traffic steering	•	•	•		
Global server load balancing (GSLB)	•	•	•		
Carrier-Grade Network Address Translation (CGNAT)	•	•			
Dynamic routing protocols	•	•			
Surge protection and priority queuing	•	•			
TriScale clustering	•	•			
<b>Application acceleration</b>					
Client and server TCP optimizations	•	•	•		
AppCompress	•	•	•		
AppCache	•	•			
<b>Application security</b>					
L4 DoS defenses	•	•	•		
L7 DoS defenses	•	•	•		
L7 rewrite and responder	•	•	•		
XenMobile NetScaler connector	•	•			
AAA for traffic management	•	•			
NetScaler AppFirewall with XML security	•	•			
IP Reputation	•	•			
nFactor authentication	•	•			
NetScaler Cloud Connector	•				
<b>Front-end optimization**</b>					
Content layout	•	•			
Domain sharding	•	•			
Image optimization	•	•			
Style sheets and JavaScript optimization	•	•			
<b>TCP protocol optimization</b>					
Multi-path TCP	•	•	•		
BIC and cubic TCP	•	•	•		

Feature	Platinum Edition	Enterprise Edition	Standard Edition	NetScaler Gateway	Universal License*
<b>Simple manageability</b>					
NetScaler Insight Center, Web Insight	•	•	•		
AppExpert visual policy builder	•	•	•		
Action Analytics	•	•	•		
AppExpert service callouts, templates, and visualizers	•	•	•		
Role-based and AAA administration	•	•	•		
Configuration wizards	•	•	•		
Native Citrix web interface	•	•			
Comtrade Management Pack for NetScaler	•				
Citrix Command Center	•	•	•		
<b>Netscaler Unified Gateway</b>					
Federated identity	•	•			
One URL/SSO using SAML 2.0	•	•			
Centralized policy management (SmartControl)	•				•
Stateless RDP proxy	•	•			•
Microsoft Intune support	•	•			
PCoIP support	•	•	•		
Cluster for ICA proxy (striped)	•	•			
Monitoring of XenApp/XenDesktop traffic (real time)	•	•			
Monitoring of XenApp/XenDesktop traffic (historical)	•				
Monitoring of Gateway traffic (real time)	•	•			
Monitoring of Gateway traffic (historical)	•				
<b>NetScaler Gateway</b>					
Broad client support for plugins	•	•	•	•	•
Customizable web portal	•	•	•	•	•
SSL VPN remote access	•	•	•	•	•
ICA Proxy to XenApp and XenDesktop	•	•	•	•	
Contextual policies for XenApp and XenDesktop (SmartAccess)	•	•	•	•	•
End point analysis	•	•	•	•	•
Secure browser-only access (CVPN)	•	•	•	•	•
Always-On	•	•	•		•
Integration with StoreFront	•	•	•		•

• Standard • Option

\*Universal license is required on top of a NetScaler (Platinum, Enterprise, Standard) or a Gateway (AGEE) license. NetScaler 11.1 and earlier Standard and Enterprise Editions include (5) Universal licenses. Platinum Edition includes (100) Universal licenses. Starting at NetScaler 11.1, Standard includes 500 Universal licenses. Enterprise Editions include (1000) Universal licenses, and there are no Universal license requirements with Platinum Edition.

\*\*An AppCache license is required for several front-end optimization features.

NetScaler Platform	MPX 26200-100G	MPX 26160-100G	MPX 26100-100G
<b>Platform attributes</b>			
Memory	256 GB	256 GB	256 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3- 2002/2005/2008/2012)	8x 100GE QSFP28	8x 100GE QSFP28	8x 100GE QSFP28
Transceivers support	100GE QSFP28: SR	100GE QSFP28: SR	100GE QSFP28: SR
Raid support	Yes	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades		Upgrade option to MPX 26200-100G	Upgrade option to MPX 26160- 100G, 26200-100G
<b>Platform performance</b>			
System throughput, Gbps (L7 throughput)	200	160	100
L7 HTTP requests/sec	5,500,000	4,200,000	3,200,000
SSL transactions/sec (2K key certificates)*	125,000	110,000	66,000
ECDHE transactions/sec**	58,000	50,000	30,000
SSL throughput, Gbps	60	48	36
Compression throughput, Gbps	18	15	12
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000
Number of instances included/ Maximum number of instances (on SDX models)	115	70	20
<b>Platform mechanical, environmental, and regulatory</b>			
Power supplies	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz
Optional DC power supply	Yes	Yes	Yes
Max power supply	822W	822W	822W
Typical/max power consumption	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr
Weight, lbs	47	48	49
Height	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm
Operating temperature	0-45C	0-45C	0-45C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	IEC 60950-1, 2nd Edition, CSA 60950-1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1	IEC 60950-1, 2nd Edition, CSA 60950-1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1	IEC 60950-1, 2nd Edition, CSA 60950-1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1
Electromagnetic emissions certifications and susceptibility standard	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)
Regulatory compliance	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH
Citrix compliance regulatory model	2U1P1D	2U1P1D	2U1P1D

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

NetScaler Platform	MPX 26200-50S	MPX 26160-50S	MPX 26100-50S
<b>Platform attributes</b>			
Memory	256 GB	256 GB	256 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012)	4x50G - 50GE QSFP28 + 16x10GE SFP+	4x50G - 50GE QSFP28 + 16x10GE SFP+	4x50G - 50GE QSFP28 + 16x10GE SFP+
Transceivers support	50GE QSFP28 port: 50GE/100GE QSFP28: SR4; 25GE SFP28: SR; 10GE SFP+: SR, LR (Adapter required); 10GE SFP+ port: 10GE SFP+: SR, LR (No adapter required)	50GE QSFP28 port: 50GE/100GE QSFP28: SR4; 25GE SFP28: SR; 10GE SFP+: SR, LR (Adapter required); 10GE SFP+ port: 10GE SFP+: SR, LR (No adapter required)	50GE QSFP28 port: 50GE/100GE QSFP28: SR4; 25GE SFP28: SR; 10GE SFP+: SR, LR (Adapter required); 10GE SFP+ port: 10GE SFP+: SR, LR (No adapter required)
Raid support	Yes	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades		Upgrade option to MPX 26200-50S	Upgrade option to MPX 26160-50S, 26200-50S
<b>Platform performance</b>			
System throughput, Gbps (L7 throughput)	200	160	100
L7 HTTP requests/sec	6,500,000	5,500,000	4,500,000
SSL transactions/sec (2K key certificates)*	600,000	460,000	280,000
ECDHE transactions/sec**	250,000	190,000	115,000
SSL throughput, Gbps	120	100	80
Compression throughput, Gbps	22	16	13
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000
Number of instances included/ Maximum number of instances (on SDX models)	N/A	N/A	N/A
<b>Platform mechanical, environmental, and regulatory</b>			
Power supplies	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz
Optional DC power supply	Yes	Yes	Yes
Max power supply	1200W	1200W	1200W
Typical/max power consumption	540W/720W	540W/720W	540W/720W
Weight, lbs	63	63	63
Height	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	71.1 cm; 28 in	71.1 cm; 28 in	71.1 cm; 28 in
Operating temperature	0 - 45°C; 32 - 113°F	0 - 45°C; 32 - 113°F	0 - 45°C; 32 - 113°F
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	IEC 60950-1, 2nd Edition, CSA 60950-1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1	IEC 60950-1, 2nd Edition, CSA 60950-1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1	IEC 60950-1, 2nd Edition, CSA 60950-1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

NetScaler Platform	MPX 26200T-100G	MPX 26160T-100G	MPX 26100T-100G
<b>Platform attributes</b>			
Memory	256 GB	256 GB	256 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3- 2002/2005/2008/2012)	8x 100GE QSFP28	8x 100GE QSFP28	8x 100GE QSFP28
Transceivers support	100GE QSFP28: SR	100GE QSFP28: SR	100GE QSFP28: SR
Raid support	Yes	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades		Upgrade option to MPX 26200T-100G	Upgrade option to MPX 26160T-100G, 26200T-100G
<b>Platform performance</b>			
System throughput, Gbps (L7 throughput)	200	160	100
L7 HTTP requests/sec	5,500,000	4,200,000	3,200,000
SSL transactions/sec (2K key certificates)*	N/A	N/A	N/A
ECDHE transactions/sec**	N/A	N/A	N/A
SSL throughput, Gbps	N/A	N/A	N/A
Compression throughput, Gbps	18	15	12
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000
Number of instances included/ Maximum number of instances (on SDX models)	N/A	N/A	N/A
<b>Platform mechanical, environmental, and regulatory</b>			
Power supplies	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz
Optional DC power supply	Yes	Yes	Yes
Max power supply	822W	822W	822W
Typical/max power consumption	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr
Weight, lbs	47	48	49
Height	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28in / 71.2 cm	28in / 71.2 cm	28in / 71.2 cm
Operating temperature	0-45C	0-45C	0-45C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	IEC 60950-1, 2nd Edition, CSA 60950-1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1	IEC 60950-1, 2nd Edition, CSA 60950-1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1	IEC 60950-1, 2nd Edition, CSA 60950-1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1
Electromagnetic emissions certifications and susceptibility standard	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexi- co (NOM), Egypt (NTRA), Israel (MoC)	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexi- co (NOM), Egypt (NTRA), Israel (MoC)	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)
Regulatory compliance	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH
Citrix compliance regulatory model	2U1P1D	2U1P1D	2U1P1D

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\* Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

NetScaler Platform	MPX 25160T	MPX 25100T	MPX 25200TA	MPX 25160TA
<b>Platform attributes</b>				
Memory	128 GB	128 GB	128 GB	128 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3- 2002/2005/2008/2012)	32x 10G SFP+	32x 10G SFP+	8x 40GE QSFP+	8x 40GE QSFP+
Transceivers support	10GE SFP+; 1G SFP-CU	10GE SFP+; 1G SFP-CU	40GE QSFP+: SR	40GE QSFP+: SR
Raid support	Yes	Yes	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades		Upgrade option to MPX 25160T		Upgrade option to MPX 25200T
<b>Platform performance</b>				
System throughput, Gbps (L7 throughput)	160	100	200	160
L7 HTTP requests/sec	4,600,000	3,200,000	5,200,000	4,600,000
SSL transactions/sec (2K key certificates)*	2,000	1,400	2,000	2,000
ECDHE transactions/sec**	N/A	N/A	N/A	N/A
SSL throughput, Gbps	21	15	30	21
Compression throughput, Gbps	14	10	17	14
ICA Proxy/SSL VPN concurrent users	35,000	35,000	35,000	35,000
Number of instances included/ Maximum number of instances (on SDX models)	N/A	N/A	N/A	N/A
<b>Platform mechanical, environmental, and regulatory</b>				
Power supplies	2	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Max power supply	1000W	1000W	1000W	1000W
Typical/max power consumption	594W/717W	594W/717W	594W/717W	594W/717W
Weight, lbs	60	60	60	60
Height	2U	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 1/4 in / 72 cm	28 1/4 in / 72 cm	28 1/4 in / 72 cm	28 1/4 in / 72 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	20%-80%, non-condensing	20%-80%, non-condensing	20%-80%, non-condensing	20%-80%, non-condensing
Safety certifications	CSA	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE
Citrix compliance regulatory model	2U1P1A	2U1P1A	2U1P1A	2U1P1A

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

NetScaler Platform	MPX 25100TA	MPX/SDX 25200A	MPX/SDX 25160A	MPX/SDX 25100A
<b>Platform attributes</b>				
Memory	128 GB	256 GB	256 GB	256 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3- 2002/2005/2008/2012)	8x 40GE QSFP+	8x 40GE QSFP+	8x 40GE QSFP+	8x 40GE QSFP+
Transceivers support	40GE QSFP+: SR,	40GE QSFP+: SR,	40GE QSFP+: SR,	40GE QSFP+: SR,
Raid support	Yes	Yes	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades	Upgrade option to MPX 25160TA, 25200TA		Upgrade option to MPX/ SDX 25200A	Upgrade option to MPX/ SDX 25160A, 25200A
<b>Platform performance</b>				
System throughput, Gbps (L7 throughput)	100	200	160	100
L7 HTTP requests/sec	3,200,000	5,200,000	4,000,000	3,000,000
SSL transactions/sec (2K key certificates)*	1,400	69,000	69,000	43,000
ECDHE transactions/sec**	N/A	56,000	47,000	29,000
SSL throughput, Gbps	15	46	42	34
Compression throughput, Gbps	10	17	14	10
ICA Proxy/SSL VPN concurrent users	35,000	20,000	20,000	20,000
Number of instances included/ Maximum number of instances (on SDX models)	N/A	115/115	70/115	20/115
<b>Platform mechanical, environmental, and regulatory</b>				
Power supplies	2	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 50-60 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Max power supply	1000W	822W	822W	822W
Typical/max power consumption	594W/717W	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr
Weight, lbs	60	60	60	60
Height	2U	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 ¼ in / 72 cm	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	20%-80%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	CSA	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE
Citrix compliance regulatory model	2U1P1A	2U1P1A	2U1P1A	2U1P1A

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

NetScaler Platform	MPX/SDX 25200-40G	MPX/SDX 25160-40G	MPX/SDX 25100-40G	MPX/SDX 24150
<b>Platform attributes</b>				
Memory	256 GB	256 GB	256 GB	256 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012)	4x 40GE QSFP+; 16x 10GE SFP+	4x 40GE QSFP+; 16x 10GE SFP+	4x 40GE QSFP+; 16x 10GE SFP+	24x 10GE SFP+ and 12XGE SFP (fiber or copper)
Transceivers support	40GE QSFP+: SR; 10GE SFP+: SR, LR	40GE QSFP+: SR; 10GE SFP+: SR, LR	40GE QSFP+: SR; 10GE SFP+: SR, LR	10GE SFP+: 1G SFP: SR, LR, CU
Raid support	Yes	Yes	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades		Upgrade option to MPX/SDX 25200-40G	Upgrade option to MPX/SDX 25160-40G, 25200-40G	
<b>Platform performance</b>				
System throughput, Gbps (L7 throughput)	200	160	100	150
L7 HTTP requests/sec	5,000,000	4,000,000	3,000,000	5,800,000
SSL transactions/sec (2K key certificates)*	69,000	69,000	43,000	135,000
ECDHE transactions/sec**	56,000	47,000	29,000	~40,000
SSL throughput, Gbps	46	42	34	44
Compression throughput, Gbps	17	14	10	14.6
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000	35,000
Number of instances included/ Maximum number of instances (on SDX models)	115/115	70/115	20/115	80/80
<b>Platform mechanical, environmental, and regulatory</b>				
Power supplies	2	2	2	4
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Max power supply	822W	822W	822W	1100W 3753 BTU/Hr
Typical/max power consumption	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr
Weight, lbs	60	60	60	58
Height	2U	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	CSA	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE
Citrix compliance regulatory model	2U1P1A	2U1P1A	2U1P1A	2U1P1A

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).



NetScaler Platform	MPX/SDX 24100	MPX/SDX 22120	MPX/SDX 22100	MPX/SDX 22080
<b>Platform attributes</b>				
Memory	256 GB	256 GB	256 GB	256 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012)	24x 10GE SFP+ and 12XGE SFP (fiber or copper)	24x 10GBASE-X SFP+ OR (for NEBS models) 24x 10GBASE-X SFP+ 12x 1000BASE-X SFP (fiber or copper)	24x 10GBASE-X SFP+ OR (for NEBS models) 24x 10GBASE-X SFP+ 12x 1000BASE-X SFP (fiber or copper)	24x 10GBASE-X SFP+ OR (for NEBS models) 24x 10GBASE-X SFP+ 12x 1000BASE-X SFP (fiber or copper)
Transceivers support	10GE SFP+: SR; 1G SFP: SR, LR, CU	10GE SFP+: SR, LR; 1G SFP: SX, LX	10GE SFP+: SR, LR	10GE SFP+: SR, LR
Raid support	Yes	Yes	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades	Upgrade option to MPX/SDX 24150		Upgrade option to MPX/SDX 22120	Upgrade option to MPX/SDX 22100 and 22120
<b>Platform performance</b>				
System throughput, Gbps (L7 throughput)	100	120	100	80
L7 HTTP requests/sec	3,500,000	4,700,000/3,700,000	4,500,000/3,700,000	4,000,000/3,700,000
SSL transactions/sec (2K key certificates)*	100,000	560,000 155,000 (NEBS)	460,000 130,000 (NEBS)	340,000 80,000 (NEBS)
ECDHE transactions/sec**	32,000	85,000	73,000	62,000
SSL throughput, Gbps	40	75/56 42 (NEBS)	65/56 35 (NEBS)	55 30 (NEBS)
Compression throughput, Gbps	10	14/12.8	14/12.8	12.5
ICA Proxy/SSL VPN concurrent users	35,000	35,000	35,000	35,000
Number of instances included/ Maximum number of instances (on SDX models)	40/80	80/80	80/80	80/80
<b>Platform mechanical, environmental, and regulatory</b>				
Power supplies	4	4	4	4
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Max power supply	1100W 3753 BTU/Hr	1100W 3753 BTU/Hr	1100W 3753 BTU/Hr	1100W 3753 BTU/Hr
Typical/max power consumption	850W 2900 BTU/Hr	850W 2900 BTU/Hr	850W 2900 BTU/Hr	850W 2900 BTU/Hr
Weight, lbs	58	58	58	58
Height	2U	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	CSA	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE; NEBS Level 3 available	RoHS, WEEE; NEBS Level 3 available	RoHS, WEEE; NEBS Level 3 available	RoHS, WEEE; NEBS Level 3 available
Citrix compliance regulatory model	24x 10GE SFP+	24x 10GE SFP+	24x 10GE SFP+	24x 10GE SFP+

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

NetScaler Platform	MPX/SDX 22060	MPX/SDX 22040	MPX/SDX 14100	MPX/SDX 14080
<b>Platform attributes</b>				
Memory	256 GB	256 GB	64 GB	64 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3- 2002/2005/2008/2012)	24x 10GBASE-X SFP+ OR (for NEBS models) 24x 10GBASE-X SFP+ 12x 1000BASE-X SFP (fiber or copper)	24x 10GBASE-X SFP+ OR (for NEBS models) 24x 10GBASE-X SFP+ 12x 1000BASE-X SFP (fiber or copper)	16x 10GE SFP+	16x 10GE SFP+
Transceivers support	10GE SFP+: SR, LR	10GE SFP+: SR, LR	10GE SFP+: SR, LR; 1G CU	10GE SFP+: SR, LR; 1G CU
Raid support	Yes	Yes	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades	Upgrade option to MPX/ SDX 22080, 22100, and 22120	Upgrade option to MPX/ SDX 22060, 22080, 22100, and 22120		Upgrade option to MPX/ SDX 14100
<b>Platform performance</b>				
System throughput, Gbps	60	40	100	80
HTTP requests/sec	3,500,000	2,600,000	3,000,000	2,800,000
SSL transactions/sec (2K key certificates)*	225,000 65,000 (NEBS)	120,000 40,000 (NEBS)	69,000	69,000
ECDHE transactions/sec**	44,000	28,000	33,500	32,000
SSL throughput, Gbps	45 22 (NEBS)	35 18 (NEBS)	46	43
Compression throughput, Gbps	11	8	10	8.5
ICA Proxy/SSL VPN concurrent users	35,000	35,000	20,000	20,000
Number of instances included/ Maximum number of instances (on SDX models)	80/80	20/80	25/25	25/25
<b>Platform mechanical, environmental, and regulatory</b>				
Power supplies	4	4	2	2
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Max power supply	1100W 3753 BTU/Hr	1100W 3753 BTU/Hr	528W	528W
Typical/max power consumption	850W 2900 BTU/Hr	850W 2900 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr
Weight, lbs	58	58	60	60
Height	2U	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	CSA	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE; NEBS Level 3 available	RoHS, WEEE; NEBS Level 3 available	RoHS, WEEE; NEBS Level 3 available	RoHS, WEEE; NEBS Level 3 available
Citrix compliance regulatory model	24x 10GE SFP+	24x 10GE SFP+	24x 10GE SFP+	24x 10GE SFP+

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

NetScaler Platform	MPX 15100-50G	MPX 15080-50G	MPX 15060-50G
<b>Platform attributes</b>			
Memory	128 GB	128 GB	128 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012)	4x 50GE QSFP28; 8x 10G SFP+	4x 50GE QSFP28; 8x 10G SFP+	4x 50GE QSFP28; 8x 10G SFP+
Transceivers support	40GE QSFP+; 10GE SFP+	40GE QSFP+; 10GE SFP+	40GE QSFP+; 10GE SFP+
Raid support	No	No	No
Pay-As-You-Grow and Burst Pack License upgrades		Upgrade option to MPX 15100-50G	Upgrade option to MPX 15100/80-50G
<b>Platform performance</b>			
System throughput, Gbps (L7 throughput)	100	80	60
L7 HTTP requests/sec	4,000,000	3,900,000	3,200,000
SSL transactions/sec (2K key certificates)*	140,000	127,000	110,000
ECDHE transactions/sec	60,000	55,000	45,000
SSL throughput, Gbps	70	60	50
Compression throughput, Gbps	10	9.3	8.5
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000
Number of instances included/ Maximum number of instances (on SDX models)	50	45	40
<b>Platform mechanical, environmental, and regulatory</b>			
Power supplies	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz
Optional DC power supply	Yes	Yes	Yes
Max power supply	522W	522W	522W
Typical/max power consumption	300W 1024 BTU/Hr	300 W 1024 BTU/Hr	300W 1024 BTU/Hr
Weight, lbs	39	39	39
Height	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 in / 71.2 cm	28 in / 71.2 cm	28 ¼ in / 72 cm
Operating temperature	0-45C	0-45C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	20%-80%, non-condensing
Safety certifications	IEC 60950-1, 2nd Edition, CSA 60960-1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1	IEC 60950-1, 2nd Edition, CSA 60960-1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1	CSA
Electromagnetic emissions certifications and susceptibility standard	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE
Citrix compliance regulatory model	2U1P1A	2U1P1A	2U1P1A

NetScaler Platform	MPX 15040-50G	MPX 15030-50G	MPX 15020-50G
<b>Platform attributes</b>			
Memory	128 GB	128 GB	128 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3- 2002/2005/2008/2012)	4x 50GE QSFP28; 8x 10G SFP+	4x 50GE QSFP28; 8x 10G SFP+	4x 50GE QSFP28; 8x 10G SFP+
Transceivers support	40GE QSFP+; 10GE SFP+	40GE QSFP+; 10GE SFP+	40GE QSFP+; 10GE SFP+
Raid support	No	No	No
Pay-As-You-Grow and Burst Pack License upgrades	Upgrade option to MPX 15100/80/60-50G	Upgrade option to MPX 15100/80/60/40-50G	Upgrade option to MPX 15100/80/60/40/30-50G
<b>Platform performance</b>			
System throughput, Gbps (L7 throughput)	40	30	20
L7 HTTP requests/sec	3,000,000	2,800,000	2,500,000
SSL transactions/sec (2K key certificates)*	66,000	42,000	24,000
ECDHE transactions/sec	30,000	20,000	11,000
SSL throughput, Gbps	40	30	21
Compression throughput, Gbps	7.8	7.2	6.4
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000
Number of instances included/ Maximum number of instances (on SDX models)	30	20	5
<b>Platform mechanical, environmental, and regulatory</b>			
Power supplies	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz
Optional DC power supply	Yes	Yes	Yes
Max power supply	522W	522W	522W
Typical/max power consumption	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr
Weight, lbs	39	39	39
Height	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 ¼ in/72 cm	28 ¼ in/72 cm	28 ¼ in/72 cm
Operating temperature	0-40C	0-40C	0-40C
Allowed relative humidity	20%-80%, non-condensing	20%-80%, non-condensing	20%-80%, non-condensing
Safety certifications	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE
Citrix compliance regulatory model	2U1P1A	2U1P1A	2U1P1A

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

NetScaler Platform	MPX 15100	MPX 15080	MPX 15060
<b>Platform attributes</b>			
Memory	128 GB	128 GB	128 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3- 2002/2005/2008/2012)	16x 25GE SFP28	16x 25GE SFP28	16x 25GE SFP28
Transceivers support	25GE SFP28: SR (Adapter required); 10GE SFP+: SR, LR (Adapter required);	25GE SFP28: SR (Adapter required); 10GE SFP+: SR, LR (Adapter required);	25GE SFP28: SR (Adapter required); 10GE SFP+: SR, LR (Adapter required);
Raid support		Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades		Upgrade option to 150100	Upgrade option to 15080
<b>Platform performance</b>			
System throughput, Gbps (L7 throughput)	100	80	60
L7 HTTP requests/sec	3,600,000	3,500,000	3,200,000
SSL transactions/sec (2K key certificates)*	140,000	127,000	110,000
ECDHE transactions/sec	60,000	55,000	45,000
SSL throughput, Gbps	70	60	50
Compression throughput, Gbps	10.5	9.3	8.5
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000
Number of instances included/ Maximum number of instances (on SDX models)	N/A	N/A	N/A
<b>Platform mechanical, environmental, and regulatory</b>			
Power supplies	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz
Optional DC power supply	Yes	Yes	Yes
Max power supply	1000W	1000W	1000W
Typical/max power consumption	310W/420W	310W/420W	310W/420W
Weight, lbs	60	60	60
Height	2U	2U	2U
Width	EIA 310-D for 19-inch racks	EIA 310-D for 19-inch racks	EIA 310-D for 19-inch racks
Depth	71.1 cm/28 in	71.1 cm/28 in	71.1 cm/28 in
Operating temperature	0 - 45°C; 32 - 113°F	0 - 45°C; 32 - 113°F	0 - 45°C; 32 - 113°F
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	IEC 60950-1, 2nd Edition, CSA 60950- 1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1	IEC 60950-1, 2nd Edition, CSA 60950- 1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1	IEC 60950-1, 2nd Edition, CSA 60950- 1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1
Electromagnetic emissions certifications and susceptibility standard	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Sau- di Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Sau- di Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)
Regulatory compliance	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH
Citrix compliance regulatory model	2U1P1A	2U1P1A	2U1P1A

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

NetScaler Platform	MPX 15040	MPX 15030	MPX 15020
<b>Platform attributes</b>			
Memory	128 GB	128 GB	128 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3- 2002/2005/2008/2012)	16x 25GE SFP28	16x 25GE SFP28	16x 25GE SFP28
Transceivers support	25GE SFP28: SR (Adapter required); 10GE SFP+: SR, LR (Adapter required);	25GE SFP28: SR (Adapter required); 10GE SFP+: SR, LR (Adapter required);	25GE SFP28: SR (Adapter required); 10GE SFP+: SR, LR (Adapter required);
Raid support		Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades	Upgrade option to 15060	Upgrade option to 15040	Upgrade option to 15030
<b>Platform performance</b>			
System throughput, Gbps (L7 throughput)	40	30	20
L7 HTTP requests/sec	3,000,000	2,800,000	2,500,000
SSL transactions/sec (2K key certificates)*	66,000	42,000	24,000
ECDHE transactions/sec	30,000	20,000	11,000
SSL throughput, Gbps	40	30	20
Compression throughput, Gbps	7.8	7.2	6.4
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000
Number of instances included/ Maximum number of instances (on SDX models)	N/A	N/A	N/A
<b>Platform mechanical, environmental, and regulatory</b>			
Power supplies	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz
Optional DC power supply	Yes	Yes	Yes
Max power supply	1000W	1000W	1000W
Typical/max power consumption	310W/420W	310W/420W	310W/420W
Weight, lbs	60	60	60
Height	2U	2U	2U
Width	EIA 310-D for 19-inch racks	EIA 310-D for 19-inch racks	EIA 310-D for 19-inch racks
Depth	71.1 cm/28 in	71.1 cm/28 in	71.1 cm/28 in
Operating temperature	0 - 45°C; 32 - 113°F	0 - 45°C; 32 - 113°F	0 - 45°C; 32 - 113°F
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	IEC 60950-1, 2nd Edition, CSA 60950- 1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1	IEC 60950-1, 2nd Edition, CSA 60950- 1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1	IEC 60950-1, 2nd Edition, CSA 60950- 1, 2nd Edition, UL 60950-1, 2nd Edition, AS/NZS 6050-1
Electromagnetic emissions certifications and susceptibility standard	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Sau- di Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)	US (FCC (Part 15 Class A)), Europe (CE (EN55022/55024)), Russia (EAC), Sau- di Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)
Regulatory compliance	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH
Citrix compliance regulatory model	2U1P1A	2U1P1A	2U1P1A

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

NetScaler Platform	MPX/SDX 14060	MPX/SDX 14040	MPX/SDX 14030	MPX/SDX 14020
<b>Platform attributes</b>				
Memory	64 GB	64 GB	64 GB	64 GB
Ethernet ports	16x 10GE SFP+	16x 10GE SFP+	16x 10GE SFP+	16x 10GE SFP+
Transceivers support	10GE SFP+: SR, LR; 1G CU	10GE SFP+: SR, LR; 1G CU	10GE SFP+: SR, LR; 1G CU	10GE SFP+: SR, LR; 1G CU
Raid support	Yes	Yes	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades	Upgrade option to MPX/SDX 14080 and 14100	Upgrade option to MPX/SDX 14060, 14080, and 14100	Upgrade option to MPX/SDX 14040, 14060, 14080, and 14100	Upgrade option to MPX/SDX 14030, 14040, 14060, 14080, and 14100
<b>Platform performance</b>				
System throughput, Gbps	60	40	30	20
HTTP requests/sec	2,400,000	2,400,000	2,000,000	1,700,000
SSL transactions/sec (2K)*	69,000	42,000	30,000	22,000
ECDHE transactions/sec**	31,500	25,500	23,000	20,000
SSL throughput	40	34	23	20
Compression throughput	8	6	5	4.4
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000	20,000
Number of instances included/ Maximum number of instances (on SDX models)	25/25	20/25	10/25	5/25
<b>Platform mechanical, environmental, and regulatory</b>				
Power supplies	2	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Max power supply	528W	528W	528W	528W
Typical/max power consumption	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr
Weight, lbs	60	60	60	60
Height	2U	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	CSA	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE
Citrix compliance regulatory model	2U1P1B	2U1P1B	2U1P1B	2U1P1B

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

NetScaler Platform	MPX 14100-40C	MPX 14080-40C	MPX 14060-40C	MPX 14040-40C
<b>Platform attributes</b>				
Memory	64 GB	64 GB	64 GB	64 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012)	4x 40GE QSFP+; 4x 10GE SFP+; 4x 10GBase-T	4x 40GE QSFP+; 4x 10GE SFP+; 4x 10GBase-T	4x 40GE QSFP+; 4x 10GE SFP+; 4x 10GBase-T	4x 40GE QSFP+; 4x 10GE SFP+; 4x 10GBase-T
Transceivers support	40GE QSFP+: SR; 10GE SFP+: SR, LR	40GE QSFP+: SR; 10GE SFP+: SR, LR	40GE QSFP+: SR; 10GE SFP+: SR, LR	40GE QSFP+: SR; 10GE SFP+: SR, LR
Raid support	Yes	Yes	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades		Upgrade option to MPX 14100-40C	Upgrade option to MPX 14080-40C, 14100-40C	Upgrade option to MPX 14060-40C, 14080-40C, 14100-40C
<b>Platform performance</b>				
System throughput, Gbps (L7 throughput)	100	80	60	40
L7 HTTP requests/sec (MPX/SDX)	2,800,000	2,800,000	2,400,00	2,400,000
SSL transactions/sec (2K key certificates)*	69,000	69,000	69,000	42,000
ECDHE transactions/sec**	33,500	32,000	31,500	25,500
SSL throughput, Gbps	45	43	40	34
Compression throughput, Gbps	8.6	8.5	8	6
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000	20,000
Number of instances included (for SDX models)	N/A	N/A	N/A	N/A
<b>Platform mechanical, environmental, and regulatory</b>				
Power supplies	2	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Max power supply	528W	528W	528W	528W
Typical/max power consumption	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr
Weight, lbs	60	60	60	60
Height	2U	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	CSA	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE
Citrix compliance regulatory model	2U1P1B	2U1P1B	2U1P1B	2U1P1B

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).



NetScaler Platform	MPX 14020-40C	MPX/SDX 14100-40G	MPX/SDX 14080-40G	MPX/SDX 14060-40G
<b>Platform attributes</b>				
Memory	64 GB	64 GB	64 GB	64 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012)	4x 40GE QSFP+; 4x 10GE SFP+; 4x 10GBase-T	4x 40GE QSFP+; 16x 10GE SFP+	4x 40GE QSFP+; 16x 10GE SFP+	4x 40GE QSFP+; 16x 10GE SFP+
Transceivers support	40GE QSFP+: SR; 10GE SFP+: SR, LR	40GE QSFP+: SR; 10GE SFP+: SR, LR	40GE QSFP+: SR; 10GE SFP+: SR, LR	40GE QSFP+: SR; 10GE SFP+: SR, LR
Raid support	Yes	Yes	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades	Upgrade option to MPX 14040-40C, 14060-40C, 14080-40C, 14100-40C		Upgrade option to MPX-SDX 14100-4G	Upgrade option to MPX/SDX 14080-40G, 14100-40G
<b>Platform performance</b>				
System throughput, Gbps (L7 throughput)	20	100	80	60
L7 HTTP requests/sec (MPX/SDX)	2,400,000	2,800,000	2,800,000	2,400,000
SSL transactions/sec (2K key certificates)*	42,000	69,000	69,000	69,000
ECDHE transactions/sec**	20,000	33,500	32,000	31,500
SSL throughput, Gbps	34	45	43	40
Compression throughput, Gbps	6	8.6	8.6	8
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000	20,000
Number of instances included (for SDX models)	N/A	25/25	25/25	25/25
<b>Platform mechanical, environmental, and regulatory</b>				
Power supplies	2	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Max power supply	528W	528W	528W	528W
Typical/max power consumption	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr
Weight, lbs	60	60	60	60
Height	2U	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	CSA	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE
Citrix compliance regulatory model	2U1P1B	2U1P1B	2U1P1B	2U1P1B

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

NetScaler Platform	MPX 14040-40G	MPX/SDX 14020-40G	MPX/SDX 14100-40S	MPX/SDX 14080-40S
<b>Platform attributes</b>				
Memory	64 GB	64 GB	64 GB	64 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012)	4x 40GE QSFP+; 16x 10GE SFP+	4x 40GE QSFP+; 16x 10GE SFP+	4x 40GE QSFP+; 8x 10GE SFP+	4x 40GE QSFP+; 8x 10GE SFP+
Transceivers support	40GE QSFP+: SR; 10GE SFP+: SR, LR	40GE QSFP+: SR; 10GE SFP+: SR, LR	40GE QSFP+: SR; 10GE SFP+: SR, LR	40GE QSFP+: SR; 10GE SFP+: SR, LR
Raid support	Yes	Yes	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades	Upgrade option to MPX/SDX 14060-40G, 14080-40G, 14100-40G	Upgrade option to MPX/SDX 14040-40G, 14060-40G, 14080-40G, 14100-40G		Upgrade option to MPX/SDX 14100-40S
<b>Platform performance</b>				
System throughput, Gbps (L7 throughput)	40	20	100	80
L7 HTTP requests/sec (MPX/SDX)	2,400,000	1,400,000	2,900,000	2,800,000
SSL transactions/sec (2K key certificates)*	42,000	22,000	275,000	207,000
ECDHE transactions/sec**	25,500	20,000	51,000	45,000
SSL throughput, Gbps	34	21	59	54
Compression throughput, Gbps	6	4.4	10.5	8.6
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000	20,000
Number of instances included (for SDX models)	20/25	5/25	25/25	25/25
<b>Platform mechanical, environmental, and regulatory</b>				
Power supplies	2	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Max power supply	528W	528W	528W	528W
Typical/max power consumption	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr
Weight, lbs	60	60	60	60
Height	2U	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	CSA	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE
Citrix compliance regulatory model	2U1P1B	2U1P1B	2U1P1B	2U1P1B

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

NetScaler Platform	MPX 14060-40S	MPX/SDX 14040-40S
<b>Platform attributes</b>		
Memory	64 GB	64 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012)	4x 40GE QSFP+; 8x 10GE SFP+	4x 40GE QSFP+; 8x 10GE SFP+
Transceivers support	40GE QSFP+: SR; 10GE SFP+: SR, LR	40GE QSFP+: SR; 10GE SFP+: SR, LR
Raid support	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades	Upgrade option to MPX/SDX 14080-40S, 14100-40S	Upgrade option to MPX/SDX 14060-40S, 14080-40S, 14100-40S
<b>Platform performance</b>		
System throughput, Gbps (L7 throughput)	60	40
L7 HTTP requests/sec (MPX/SDX)	2,700,000	2,400,000
SSL transactions/sec (2K key certificates)*	172,000	103,000
ECDHE transactions/sec**	39,500	26,500
SSL throughput, Gbps	49	43
Compression throughput, Gbps	8	7.5
ICA Proxy/SSL VPN concurrent users	20,000	20,000
Number of instances included (for SDX models)	25/25	20/25
<b>Platform mechanical, environmental, and regulatory</b>		
Power supplies	2	2
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes
Max power supply	528W	528W
Typical/max power consumption	300W 1024 BTU/Hr	300W 1024 BTU/Hr
Weight, lbs	60	60
Height	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 in / 71.2 cm	28 in / 71.2 cm
Operating temperature	0-40C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE	RoHS, WEEE
Citrix compliance regulatory model	2U1P1B	2U1P1B

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

NetScaler Platform	MPX/SDX 14080 FIPS	MPX/SDX 14060 FIPS	MPX/SDX 14030 FIPS
<b>Platform attributes</b>			
Memory	64 GB	64 GB	64 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3- 2002/2005/2008/2012)	16x 10GE SFP+	16x 10GE	16x 10GE
Transceivers support	10GE SFP+: SR, LR; 1 G CU	10GE SFP+: SR, LR; 1 G CU	10GE SFP+: SR, LR; 1 G CU
Raid support	Yes	Yes	Yes
Pay-As-You-Grow and Burst Pack License upgrades		Upgrade option to MPX/SDX 14080 FIPS	Upgrade option to MPX/SDX 14060 FIPS, 14080 FIPS
<b>Platform performance</b>			
System throughput, Gbps (L7 throughput)	80	60	30
L7 HTTP requests/sec (MPX/ SDX)	2,000,000	1,800,000	1,400,000
SSL transactions/sec (2K key certificates)*	33,000	25,000	18,000
ECDHE transactions/sec**	N/A	N/A	N/A
SSL throughput, Gbps	30	23	18
Compression throughput, Gbps	6.8	6	5
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000
Number of instances included (for SDX models)	25/25	25/25	10/25
<b>Platform mechanical, environmental, and regulatory</b>			
Power supplies	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	Yes
Max power supply	650W 2219 BTU/Hr	528W	528W
Typical/max power consumption	300W 1706 BTU/Hr	300W 1024 BTU/Hr	300W 1024 BTU/Hr
Weight, lbs	45	60	60
Height	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm
Operating temperature	0-40C	0-40C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE, FIPS 140-2, Level 3	RoHS, WEEE, FIPS 140-2, Level 3	RoHS, WEEE, FIPS 140-2, Level 3
Citrix compliance regulatory model	2U1P1B	2U1P1B	2U1P1B

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

NetScaler Platform	MPX 15500 FIPS	MPX 12500 FIPS	MPX 10500 FIPS	MPX 9700 FIPS
<b>Platform attributes</b>				
Memory	16 GB	16 GB	16 GB	16 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012)	2x 10GBASE-X SFP+ AND 8x 1000BASE-X SFP (fiber or copper)	2x 10GBASE-X SFP+ AND 8x 1000BASE-X SFP (fiber or copper)	2x 10GBASE-X SFP+ AND 8x 1000BASE-X SFP (fiber or copper)	2x 10GBASE-X SFP+ AND 8x 1000BASE-X SFP (fiber or copper)
Transceivers support	10GE SFP+: SR, LR; 1 GE SFP: SX, LX	10GE SFP+: SR, LR; 1 GE SFP: SX, LX	10GE SFP+: SR, LR; 1 GE SFP: SX, LX	10GE SFP+: SR, LR; 1 GE SFP: SX, LX
Raid support	No	No	No	No
Pay-As-You-Grow and Burst Pack License upgrades		Upgrade option to FIPS version of MPX 15500	Upgrade to FIPS version of MPX 12500 and MPX 15500	Upgrade to FIPS version of MPX 10500, MPX 12500, and MPX 15500
<b>Platform performance</b>				
System throughput, Gbps (L7 throughput)	15	10	6	3
L7 HTTP requests/sec (MPX/SDX)	1,200,000	700,000	500,000	200,000
SSL transactions/sec (2K key certificates)*	8,000	6,000	4,000	2,000
ECDHE transactions/sec**	N/A	N/A	N/A	N/A
SSL throughput, Gbps	4.5	3.6	2.0	1.0
Compression throughput, Gbps	6.5	6	5	2
ICA Proxy/SSL VPN concurrent users	10,000	10,000	10,000	10,000
Number of instances included (for SDX models)	N/A	N/A	N/A	N/A
<b>Platform mechanical, environmental, and regulatory</b>				
Power supplies	2	2	2	2
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Max power supply	450W 1536 BTU/Hr	450W 1536 BTU/Hr	450W 1536 BTU/Hr	450W 1536 BTU/Hr
Typical/max power consumption	360W 1229 BTU/Hr	360W 1229 BTU/Hr	360W 1229 BTU/Hr	360W 1229 BTU/Hr
Weight, lbs	30	30	30	30
Height	2U	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	CSA	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE	RoHS, WEEE; FIPS 140-2, Level 2	RoHS, WEEE; FIPS 140-2, Level 2	RoHS, WEEE; FIPS 140-2, Level 2
Citrix compliance regulatory model	MPX 2x10GE 8xSFP+ FIPS	MPX 2x 10GE 8x SFP+ FIPS	MPX 2x 10GE 8x SFP+ FIPS	MPX 2x 10GE 8x SFP+ FIPS

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

NetScaler Platform	MPX/SDX 8930	MPX/SDX 8920	MPX 8910	MPX 8905
<b>Platform attributes</b>				
Memory	32 GB	32 GB	32 GB	32 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012)	4x 10GE SFP+; 6x 10/100/1000 CU	4x 10GE SFP+; 6x 10/100/1000 CU	4x 10GE SFP+; 6x 10/100/1000 CU	4x 10GE SFP+; 6x 10/100/1000 CU
Transceivers support	10GE SFP+: SR, LR	10GE SFP+: SR, LR	10GE SFP+: SR, LR	10GE SFP+: SR, LR
Raid support	No	No	No	No
Pay-As-You-Grow and Burst Pack License upgrades		Upgrade option to MPX/SDX 8930	Upgrade option to MPX 8920 and 8930	Upgrade option to MPX 8910, 8920, and 8930
<b>Platform performance</b>				
System throughput, Gbps (L7 throughput)	33	20	10	5
L7 HTTP requests/sec (MPX/SDX)	2,300,000	1,700,000	1,400,000	990,000
SSL transactions/sec (2K key certificates)*	40,000	22,000	13,000	8,000
ECDHE transactions/sec	16,000	10,000	6,000	4,000
SSL throughput, Gbps	25	20	10	5
Compression throughput, Gbps	4.8	4	3.5	2.5
ICA Proxy/SSL VPN concurrent users	10,000	10,000	10,000	10,000
Number of instances included (for SDX models)	2/7	2/7	N/A	N/A
<b>Platform mechanical, environmental, and regulatory</b>				
Power supplies	1 (2nd optional)	1 (2nd optional)	1 (2nd optional)	1 (2nd optional)
Input voltage and frequency ranges	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz	100-240VAC full range, 50-60 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Max power supply	336W	336W	336W	336W
Typical/max power consumption	300W 840 BTU/Hr	300W 840 BTU/Hr	300W 840 BTU/Hr	300W 840 BTU/Hr
Weight, lbs	25	25	25	25
Height	1U	1U	1U	1U
Width	EIA 310-D for 19-inch racks	EIA 310-D for 19-inch racks	EIA 310-D for 19-inch racks	EIA 310-D for 19-inch racks
Depth	24 in / 61 cm	24 in / 61 cm	24 in / 61 cm	24 in / 61 cm
Operating temperature	0-45C	0-45C	0-45C	0-45C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	CSA	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	(FCC) (CE), (VCCI), (RCM), (CCC), (KCC), (BIS), (NOM), (CITC), (ICASA), (EAC)	(FCC) (CE), (VCCI), (RCM), (CCC), (KCC), (BIS), (NOM), (CITC), (ICASA), (EAC)	(FCC) (CE), (VCCI), (RCM), (CCC), (KCC), (BIS), (NOM), (CITC), (ICASA), (EAC)	(FCC) (CE), (VCCI), (RCM), (CCC), (KCC), (BIS), (NOM), (CITC), (ICASA), (EAC)
Regulatory compliance	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH
Citrix compliance regulatory model	1U1P1A	1U1P1A	1U1P1A	1U1P1A

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details. Platforms shown above are only supported on the firmware version installed from manufacturing.

NetScaler Platform	MPX 5910	MPX 5905	MPX 5901
<b>Platform attributes</b>			
Memory	16 GB	16 GB	16 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3- 2002/2005/2008/2012)	2x 10GE SFP+; 6x 10/100/1000 CU	2x 10GE SFP+; 6x 10/100/1000 CU	2x 10GE SFP+; 6x 10/100/1000 CU
Transceivers support	10GE SFP+: SR, LR; 1G CU	10GE SFP+: SR, LR; 1G CU	10GE SFP+: SR, LR; 1G CU
Raid support	No	No	No
Pay-As-You-Grow and Burst Pack License upgrades		Upgrade option to MPX 5910	Upgrade option to MPX 5905 and 5910
<b>Platform performance</b>			
System throughput, Gbps (L7 throughput)	10	5	1
L7 HTTP requests/sec (MPX/ SDX)	900,000	700,000	400,000
SSL transactions/sec (2K key certificates)*	12,000	6,000	4,000
ECDHE transactions/sec	6,000	3,000	1,700
SSL throughput, Gbps	8	5	1
Compression throughput, Gbps	2.5	1.5	1
ICA Proxy/SSL VPN concurrent users	5,000	5,000	5,000
Number of instances included (for SDX models)	N/A	N/A	N/A
<b>Platform mechanical, environmental, and regulatory</b>			
Power supplies	1 (2nd optional)	1 (2nd optional)	1 (2nd optional)
Input voltage and frequency ranges	100-240VAC full range	100-240VAC full range	100-240VAC full range
Optional DC power supply	Yes	Yes	Yes
Max power supply	336W	336W	336W
Typical/max power consumption	300W 840 BTU/Hr	300W 840 BTU/Hr	300W 840 BTU/Hr
Weight, lbs	25	25	25
Height	1U	1U	1U
Width	EIA 310-D for 19-inch racks	EIA 310-D for 19-inch racks	EIA 310-D for 19-inch racks
Depth	24 in / 61 cm	24 in / 61 cm	24 in / 61 cm
Operating temperature	0-45C	0-45C	0-45C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	(FCC) (CE), (VCCI), (RCM), (CCC), (KCC), (BIS), (NOM), (CITC)	(FCC) (CE), (VCCI), (RCM), (CCC), (KCC), (BIS), (NOM), (CITC)	(FCC) (CE), (VCCI), (RCM), (CCC), (KCC), (BIS), (NOM), (CITC)
Regulatory compliance	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH
Citrix compliance regulatory model	1U1P1A	1U1P1A	1U1P1A

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details. Platforms shown above are only supported on the firmware version installed from manufacturing.

NetScaler Platform	MPX/SDX 8015	MPX 8005	MPX 5650	MPX 5550
<b>Platform attributes</b>				
Memory	32 GB	32 GB	32 GB	32 GB
Ethernet ports (Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012)	6x 10/100/1000 BASE-T and 6x 1000BASE-X SFP (fiber or copper) or 6x 10/100/1000 BASE-T AND 2x 10G BASE-X SFP+	6x 10/100/1000 BASE-T and 6x 1000BASE-X SFP (fiber or copper) or 6x 10/100/1000 BASE-T AND 2x 10G BASE-X SFP+	6x 10/100/1000 BASE-T	6x 10/100/1000 BASE-T
Transceivers support	10GE SFP+: SR, LR; 1 GE SFP: SX, LX	10GE SFP+: SR, LR; 1 GE SFP: SX, LX		
Raid support	No	No	No	No
Pay-As-You-Grow and Burst Pack License upgrades		Upgrade options to MPX/SDX 8015		Upgrade option to MPX 5650
<b>Platform performance</b>				
System throughput, Gbps (L7 throughput)	15	5	5	0.5
L7 HTTP requests/sec (MPX/SDX)	1,200,000	375,000	350,000	175,000
SSL transactions/sec (2K key certificates)*	11,000	6,500	2,800	1,500
ECDHE transactions/sec**	N/A	N/A	N/A	N/A
SSL throughput, Gbps	6	4	2	0.5
Compression throughput, Gbps	3.5	2.3	3	0.5
ICA Proxy/SSL VPN concurrent users	10,000	10,000	5,000	5,000
Number of instances included (for SDX models)	2/5	N/A	N/A	N/A
<b>Platform mechanical, environmental, and regulatory</b>				
Power supplies	1 (2nd optional)	1 (2nd optional)	1	1
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	No	No
Max power supply	250W 853 BTU/Hr	250W 853 BTU/Hr	180W 614 BTU/Hr	180W 614 BTU/Hr
Typical/max power consumption	185W 631 BTU/Hr	185W 631 BTU/Hr	135W 461 BTU/Hr	135W 461 BTU/Hr
Weight, lbs	32	32	32	32
Height	1U	1U	1U	1U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 A1:G30 rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm	28 in / 71.2 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	10%-90%, non-condensing	10%-90%, non-condensing	10%-90%, non-condensing	10%-90%, non-condensing
Safety certifications	CSA	CSA	CSA	CSA
Electromagnetic emissions certifications and susceptibility standard	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Regulatory compliance	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE	RoHS, WEEE
Citrix compliance regulatory model	NS 2x 10GE SFP+ 6x CU	NS 2x 10GE SFP+ 6x CU	NS 6x CU	NS 6x CU

\*Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\*\*Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

For information on VPX, [please refer to the VPX datasheet](#).



## Technical aspects

### Netscaler Unified Gateway

- Provides consolidation of secure remote access infrastructure with one URL
- Provides SAML 2.0 federated identity to provide single sign-on (SSO) across all applications, whether in a data center or in a cloud
- One URL to access any application
- Always-On allows auto-reconnect of SSL VPN session when users are moving between networks
- Integration with StoreFront allows importing UI changes from StoreFront to Gateway portal and vice versa
- Gateway Insight for monitoring and troubleshooting all Gateway traffic for issues like authentication, EPA, single sign-on failures, etc.
- nFactor authentication for all applications
- Stateless RDP proxy
- Support for Linux (Ubuntu 14.04 32bit / 64bit, Ubuntu 12.04 32bit / 64bit)
- Support for Mac (OS X 10.9 (Mavericks), OS X 10.10 (Yosemite))
- Support for Windows 7, 8, and 8.1 (32bit / 64bit)
- Support for iOS 7.1 or later. Compatible with iPhone, iPad, and iPod touch.
- Support for Android 4.1.x and 4.2.x (Jelly Bean), 4.4.x (KitKat)
- 5.x (Lollipop).

### Secure access

- XA/XD/XM integration
- Device certificate scanning
- Single sign-on using NTLM/Kerberos/SAML etc.
- SmartAccess: Adaptive application and action control enforced on XenApp and XenDesktop servers
- SmartControl: Adaptive application and action control enforced on NetScaler Unified Gateway, thereby providing centralized policy management and security at the edge
- Integrated NetScaler Unified Gateway SSL VPN
- NetScaler 11.1 and earlier, Standard and Enterprise Editions include (5) Universal licenses. Platinum Edition includes (100) Universal licenses. Starting at NetScaler 11.1, Standard includes 500 Universal Licenses, Enterprise Editions include (1000) Universal licenses, and there are no Universal license requirements with Platinum Edition. Universal license entitlements are per HA pair or per cluster depending on how you deploy NetScaler.
- Endpoint analysis of user device
- SAML 2.0 and nFactor; passwords for single sign on to applications running behind NetScaler Unified Gateway
- AAA traffic management
- SAML 2.0 and NTLMv1/2 support for configuring NetScaler with single sign-on (SSO)
- Support for Active Directory, LDAP, RADIUS, TACACS+, OCSP, Diameter, etc.

### L4-7 traffic management

#### Layer 4 load balancing (LB)

- Protocols supported: TCP, UDP, FTP, HTTP, HTTPS, DNS (TCP and UDP), SIP (over UDP), RTSP, RADIUS, Diameter, SQL, RDP, IS-IS, SMPP

- Algorithms: Round Robin, Least Packets, Least Bandwidth, Least Connections, Response Time, Hashing (URL, Domain, Source IP, Destination IP, and CustomID), SNMP-provided metric, Server Application State Protocol (SASP)
- Session persistence: Source IP, cookie, server, group, SSL session, SIP CALLID, Token-based, SESSIONID, Diameter AVP
- Session protocols: TCP, UDP, SSL\_TCP, Multi-path TCP, SPDY
- Server monitoring: Ping, TCP, URL, ECV, scriptable health checks, Dynamic Server Response Time
- Link load balancing

#### Layer 7 content switching

- Policies: URL, URL Query, URL Wildcard, Domain, Source/ Destination IP, HTTP Header, Custom, HTTP and TCP Payload Values, UDP, Diameter AVP
- Switch requests based on protocol of incoming packets

#### Database load balancing

- Support for Microsoft SQL Server and MySQL
- Switching algorithms include SQL query parameters such as user and database names and command parameters
- Token-based load balancing provides advanced configuration for persistence and fault-tolerant deployments

#### TriScale Clustering<sup>2</sup>

- inScale-Outin with clustering up to 32 NetScaler appliances into single system image and up to 3 Tbps throughput
- Configuration Coordinator node for centralized management and synchronization
- Compatible with Pay-As-You-Grow and Burst Pack performance upgrades
- Traffic distribution mechanisms include: Equal Cost Multiple Path (ECMP), Link-sets, and Cluster Link Aggregation Group (CLAG)
- Available on NetScaler MPX, SDX, and VPX, and with NetScaler EE and PE editions
- Modules may be configured on all nodes in a cluster or using "spotted VIPS," in which they are added only to a select subset of nodes

#### Rate-based policy enforcement

- Trigger NetScaler policies based upon connections per second, packets per second, or bandwidth used
- Source or destination-based upon header or payload information

#### Traffic domains

- Allows overlapping IP addresses
- Provides separate routing flows within a single appliance
- Enables basic multi-tenancy implementations

#### Admin Partitioning

- Independent instances that share resources on the appliance
- Maximum number of 512 admin partitions per appliance

### Global server load balancing (GSLB)

- Algorithms: site health, geographic proximity, network proximity, connections, bandwidth, AG-E SSL VPN users
- Site health checking on status, connection load, packet rate, SNMP-provided metrics

### Surge protection and priority queuing<sup>2</sup>

- Adaptive rate control for TCP connections and HTTP requests
- Prioritized transaction dispatch for critical application requests

### Carrier-Grade Network Address Translation<sup>2</sup>

- Support for: Full-cone NAT, Deterministic NAT, Endpoint-Independent Mapping and Filtering, Hair-pinning
- Application Layer Gateways: FTP, TFTP, ICMP, SIP, RTSP, PPTP, GRE

### Subscriber-aware traffic steering

- Policy control interface: Gx, RADIUS

## Application acceleration

### TCP optimization

- Multiplexing, buffering, connection keep-alive, windows scaling, selective acknowledgement, fast ramp, TCP Westwood
- AppCompress
- Gzip-based compression for HTTP traffic AppCache<sup>3</sup>
- Caching for static and dynamic application content
- HTTP GET and POST method support
- Policies defined based upon HTTP header and body values

## Application security

### DoS attack defense

- Continue service to legitimate users while protecting against attacks such as SYN Flood, HTTP DoS, and Ping of Death
- ICMP and UDP rate control

### Content rewriting and response control

- Policy-based bidirectional rewriting of HTTP header and payload elements
- Policy-based redirection of incoming requests
- Body URL rewrite
- Responder module
- Custom responses and redirects
- Policy-based routing
- Network aware policies

### SSL Encryption

- Supports Thales nShield and SafeNet HSM integration

### DNSSEC

- DNS proxy
- Authoritative DNS
- DNS signing

### Packet filtering

- Layer 3 and 4 Access Control Lists (ACL)
- Network Address Translation (NAT)
- IPv4/IPv6 Network Address Translation (NAT)

## NetScaler AppFirewall with hybrid security model<sup>3</sup>

- Positive security model protects against: buffer overflow, CGI- BIN parameter manipulation, form/hidden field manipulation, forceful browsing, cookie or session poisoning, broken ACLs, cross-site scripting (XSS), command injection, SQL injection, error triggering sensitive information leak, insecure use of cryptography, server misconfiguration, back doors and debug options, rate-based policy enforcement, well known platform vulnerabilities, zero-day exploits, cross site request forgery (CSRF), credit card and other sensitive data leakage prevention
- Negative security model with automatically updated signatures to protect against L7 and HTTP application vulnerabilities
- Integrates with third-party scanning tools
- Common event format (CEF) logs
- XML security: XML denial of service (xDoS)
- XML SQL injection and cross site scripting, XML message validation, format checks, WS-I basic profile compliance, XML, XPath injection attachment check, xQuery Injection protection
- WSDL scan prevention
- Attachment checks
- URL transformation
- Cookie proxy and encryption
- SOAP array attack protection

### IP Reputation service

- Enhanced service that provides a continuously updated list of malicious IP addresses in near real-time

### NetScaler Cloud Connector<sup>3</sup>

- Network connectivity protection via IPsec security
- Datacenter extension through GRE-based network bridging

### Support for XenMobile MDM<sup>5</sup>

- Front end optimization scalable to over 100,000 concurrent users
- XenMobile NetScaler Connector (XNC) provides a device level authorization service
- Application level policy controlled SSL VPN tunneling for mobile clients

## Network integration

- Static routes, monitored static routes, weighted static routes
- OSPF, RIP1/2, BGP2
- VLAN 802.1Q
- Link Aggregation 802.3ad
- Stateful IPv6 to IPv4 network address translation and DNS64
- Static and stateless network address translation from IPv4 to IPv6

### High availability

- Active/Passive
- Active/Active
- VRRP
- ECMP
- Connection mirroring

## Simplified installation and management

### User interface

- Graphical application visualizer
- Secure web-based GUI
- CLI, Telnet, SSH, Console
- Real-time performance dashboard
- LB, GSLB Application Firewall and EdgeSight\* for NetScaler configuration wizards
- XenApp configuration wizards

### Policy management

- AppExpert Visual Policy Builder
- Policy extensibility via HTTP service callouts
- AppExpert templates
- AppExpert Visualizers

### Citrix Command Center

- Centralized configuration and management of over 200 NetScaler appliances

### NetScaler Insight Center and AppFlow:

- NetScaler Insight Center is a software solution enabling traffic visibility; it includes HDX Insight and Web Insight and is based on AppFlow
- HDX Insight parses ICA sessions to provide troubleshooting, network analysis, and end-to-end performance for XenApp/XenDesktop sessions. Historical data included in Platinum Edition.
- Web Insight monitors real-time web application traffic and assists capacity planning and helps ensure SLAs
- AppFlow Standards-based NetFlow/IPFIX (Internet Protocol Flow Information Export) solution
- Supported by leading performance monitoring and management vendors
- Provides transaction level visibility for HTTP, SSL, TCP, and SSL/TCP flows

### Action analytics

- Aggregates real-time traffic statistics and enables their use in setting dynamic policies
- Charting and analysis utilities using HDX Insight

### Third-party management support

- SNMPv1, SNMPv2, and SNMPv3: NetScaler MIB and MIB-II support
- Microsoft System Center Operations Management (SCOM) support
- Comtrade support with Management Pack for Citrix NetScaler
- Microsoft System Center Virtual Machine Manager (SCVMM) support
- XML/SOAP API for automated application-driven configuration

### Real-time consolidated logging

- Offloads logging from application server to a central location

### Native web interface

- Integrated Web Interface Server for XenApp and XenDesktop
- Supports JAVA environments with MPX and VPX platforms running NetScaler nCore OS
- Authentication methods include: LDAP, RADIUS, NTLM, TACACS+, Client Certificate
- Manage HTTPS requests via included SSL VPN
- Wizards-based configuration through NetScaler GUI
- Login page customization
- Includes Smart Access, smooth roaming, STA server redundancy, and session reliability

## Lower total cost of ownership

### Web cache redirection<sup>2</sup>

- Automatically direct requests with content not cached on NetScaler to cache farm
- N-tier multilayer load balancing support of cache servers

<sup>1</sup> Additional NetScaler packs with 3 (8xxx) or 5 (all other models) instances each are available. For SDX 8015, the maximum number of instances is 5.

<sup>2</sup> Available in NetScaler Enterprise and Platinum editions only.

<sup>3</sup> Included in Platinum edition only; not available with Standard or Enterprise editions.

<sup>4</sup> Available as a license upgrade on all editions and for MPX, SDX (excluding 22000 series), and VPX appliances.

<sup>5</sup> Enterprise edition with AppCache or Platinum edition recommended.



### About Citrix

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