Citrix SD-WAN Data Sheet

Citrix SD-WAN (formerly NetScaler SD-WAN) is a next-generation WAN Edge solution that simplifies digital transformation for enterprises. It offers the best application experience for SaaS, cloud, and virtual apps & desktops; comprehensive security; and cloud choice with automation to ensure an always-on workspace.

Why Citrix SD-WAN?

- Ability to detect, classify and accelerate over 4,500 SaaS, cloud, and virtual applications and sub applications
- Integrated branch security with options for next-generation firewall and cloud-based secure web gateway
- Real-time, packet-based traffic handling routes traffic on the most optimal links
- Traffic shaping and bi-directional QoS on diverse, bonded links to optimize performance
- Sub-second failover ensures the highest network resiliency

Citrix SD-WAN Features

Application Control

Citrix SD-WAN includes an industry-leading Application Control Engine with deep packet inspection, providing:

- Detection, classification, and acceleration of over 4,500 SaaS, cloud, and virtual applications and sub applications.
- The best application experience through real-time, packet-based path selection and bi-directional QoS.
- The highest network resiliency through sub-second failover.
- Deployment on any public cloud or in conjunction with SaaS applications.

Dynamic Routing

- Inserts services into networks easily through either inline or edge routed modes.
- Provides an alternative to the legacy edge router, enabling a simpler branch network with lower infrastructure and support costs.
- Creates multiple software-defined network overlays and applies separate policies and security rules to each.

Virtualized WAN

- Bonds diverse network links, including MPLS, broadband, and 4G/LTE.
- Monitors latency, jitter, congestion and loss in real time and performs intelligent load balancing to match applications to optimal WAN links.
- Uses selective packet replication for real-time and other latency-sensitive applications to ensure consistent experience.

Integrated, Automated Security

- A built-in, application-aware stateful firewall integrates with application QoS to allow centrally-defined security policies to limit or reject application traffic.
- Zone-based segmentation segregates users and traffic, while maintaining policies specific to each group.

- Optionally, next-generation firewall capabilities can be added as a VNF (virtualized network function) on select SD—WAN appliances.
- Strong encryption using HTTPS/TLS and AES 256 provides security across the control and data planes.
- The creation of highly available IPsec tunnels can be automated from the branch to Zscaler Secure Internet Gateway or Palo Alto Networks Prisma Access to simplify operations.

WAN Optimization

- TCP optimization, compression, data deduplication, and protocol optimization further help improve application experience while reducing bandwidth expenses.

Management and Visibility

Citrix SD-WAN Orchestrator, a SaaS-based provisioning and management solution enables customers and partners to:

- Centrally manage and monitor users, permissions, applications, and WAN links for control and visibility across the entire network.
- Quickly and easily deploy new sites on the network with zero touch deployment.
- Automate the setup of cloud services, security, and applications.
- Monitor and optimize the quality of experience for applications.

Standard Edition Appliances

Appliance	6100 SE			5100 SE		
Model	6100-4000-SE	6100-5000-SE	6100-6000-SE	5100-4000-SE	5100-5000-SE	5100-6000-SE
Total Encrypted Throughput[1]	8 Gbps	10 Gbps	12 Gbps	8 Gbps	10 Gbps	12 Gbps
Max Virtual Paths (Static/Dynamic)	550/32	550/32	550/32	550/32	550/32	550/32

Appliance	4100 SE		2100 SE			
Model	4100-2000-SE	4100-3000-SE	2100-0300-SE	2100-0500-SE	2100-1000-SE	2100-2000-SE
Total Encrypted Throughput[1]	4 Gbps	6 Gbps	600 Mbps	1 Gbps	2 Gbps	4 Gbps
Max Virtual Paths (Static/Dynamic)	550/32	550/32	256/32	256/32	256/32	256/32

Appliance	1100 SE			1000 SE		
Model	1100-200-SE	1100-300-SE	1100-500-SE	1000-020-SE	1000-050-SE	1000-100-SE
Total Encrypted Throughput[1]	400 Mbps	600 Mbps	1 Gbps	40 Mbps	100 Mbps	200 Mbps
Max Virtual Paths (Static/Dynamic)	64/32	64/32	64/32	16/8	16/8	16/8

Appliance	410 SE				210 SE/210 LTE SE (R1/R2/RC)			
Model	410-050-SE	410-100-SE	410-200-SE	410-300-SE	210-020-SE	210-050-SE	210-100-SE	210-200-SE
Total Encrypted Throughput[1]	100 Mbps	200 Mbps	400 Mbps	600 Mbps	40 Mbps	100 Mbps	200 Mbps	400 Mbps
Max Virtual Paths (Static/Dynamic)	24/8	24/8	24/8	24/8	16/4	16/4	16/4	16/4

Standard Edition Virtual & Cloud Appliances

Appliance	VPX SE					
Model	VPX-020-SE	VPX-050-SE	VPX-100-SE	VPX-200-SE	VPX-500-SE	VPX-1000-SE
Total Encrypted Throughput[1]	40 Mbps	100 Mbps	200 Mbps	400 Mbps	1 Gbps	2 Gbps
Max Virtual Paths (Static/Dynamic)	8	16	16	16	16	16
Hypervisor Support[2]						
Citrix Hypervisor	Citrix Hypervisor 6.5 SP1					
VMware	ESX/ESXi 5.5 & 6.0	ESX/ESXi 5.5 & 6.0	ESX/ESXi 5.5 & 6.0	ESXi 6.0	ESXi 6.0	ESXi 6.0
HyperV	2012 R2					
KVM	Ubuntu 16.04					
Processor	Dual core Intel VTx2	Dual core Intel VTx2	Dual core Intel VTx2	Quad core Intel VTx2	Quad core Intel VTx2	Quad core Intel VTx2
Memory	4 GB	4 GB	4 GB	4 GB	8 GB	8 GB
Virtual CPU	2vCPU @ 2.7 GHz	2vCPU @ 2.7 GHz	2vCPU @ 2.7 GHz	4vCPU @ 2.7 GHz	8vCPU @ 2.7 GHz	8vCPU @ 3.0 GHz
Cloud Support[3]						
AWS	m4.2xlarge	m4.2xlarge	m4.2xlarge	m4.2xlarge	c4.2xlarge	c4.4xlarge
Azure	D3_v2	D3_v2	D3_v2	D3_v2	D3_v2	D4_v2

[1] Total encrypted throughput refers to total amount of bandwidth that the appliance model is licensed for, both upstream and downstream, and is based on AES-128 encryption.

[2] The VPX images are qualified to run on Intel processors only.

Standard Edition Virtual & Cloud Appliances (Continued)

Appliance	VPX-L SE					
Model	VPX-L 020-SE	VPX-L 050-SE	VPX-L 100-SE	VPX-L 200-SE	VPX-L 500-SE	VPX-L 1000-SE
Total Encrypted Throughput[1]	40 Mbps	100 Mbps	200 Mbps	400 Mbps	1 Gbps	2 Gbps
Max Virtual Paths	128	128	128	128	128	128
Hypervisor Support[2]						
Citrix Hypervisor	Citrix Hypervisor 6.5 SP1					
VMware	ESX/ESXi 5.5 & 6.0	ESX/ESXi 5.5 & 6.0	ESX/ESXi 5.5 & 6.0	ESXi 6.0	ESXi 6.0	ESXi 6.0
HyperV	2012 R2					
KVM	Ubuntu 16.04					
Memory	16 GB					
Virtual CPU	16vCPU @ 2.7 GHz					
HDD	250 GB					
Cloud Support[3]						
AWS	m4.4xlarge					
Azure	F8	F8	F8	F8	F8	F16

Software Features

Application Performance	Per packet/app steering, Packet duplication, Packet retransmissions, Dual-ended QoS, Application QoE, Per-app business policies for over 4000 apps, Citrix HDX/ICA integration
Authentication	Local database, RADIUS, TACACS+
Cloud WAN	Azure Virtual WAN, Teridion
Configuration	Zero touch deployment service, GUI, Customizable dashboards & templates, REST API
Deployment	In-line overlay, One-armed overlay, Edge gateway, Cloud
High Availability	Parallel Inline HA, Fail-to-Wire HA, One-arm HA, VRRP, Geo-redundant HA
Layer 2	VLAN (802.1Q), Bridging, SVI, PPPoE
Link Management	Transport Agnostic, Bi-directional link monitoring, Link bonding, Metered links, Standby links, Link of Last Resort
Manageability	SD-WAN Cloud Orchestrator, On-premise SD-WAN Center, SD-WAN Center in AWS and Azure, CLI, SNMP V3, DHCP Server/Relay/Client, DNS Forwarder, Syslog, NetFlow, IPFIX, REST API
Mobile Broadband	3G/4G/LTE, Zero touch deployment over LTE, Authentication types: PAP/CHAP/PAPCHAP, SIM lock/unlock, Support for antenna extenders
Network Encryption	128 bit AES, 256 bit AES, IPSec
QoS	Scheduling, Shaping, Classification, Remarking, HDX AutoQoS
Routing	eBGP, iBGP, OSPF, Static, Multicast
SaaS/IaaS	Optimized Office 365 Breakout, AWS, Azure
Security (Cloud)	Zscaler, Palo Alto Global Protect Cloud Service (GPCS)
Security (On-premise)	L4-7 Application Firewall, NAT, Secure Web Gateway connectivity, FIPS compliant
Tunnel Interfaces	GRE, IPSec, Citrix Virtual Path

[3] Cloud server types are the minimum recommended server size to support the listed performance numbers for each model.

Premium Edition Appliances

Appliance	5100 PE		2100 PE		
Model	5100-3000-PE	5100-4000-PE	2100-300-PE	2100-500-PE	2100-1000-PE
Total Encrypted Throughput[4]	6 Gbps	8 Gbps	600 Mbps	1 Gbps	2 Gbps
Max Virtual Paths (Static/Dynamic)	550/32	550/32	256/32	256/32	256/32
Optimized Application Capacity[5,6]	500 Mbps	500 Mbps	50 Mbps	100 Mbps	100 Mbps
Maximum HDX CCUs[7]	750	750	300	300	300
Maximum Accelerated TCP Sessions[8]	60,000	60,000	20,000	20,000	20,000

Appliance	1100 PE		
Model	1100-200-PE	1100-300-PE	1100-500-PE
Total Encrypted Throughput[4]	400 Mbps	600 Mbps	1 Gbps
Max Virtual Paths (Static/Dynamic)	64/32	64/32	64/32
Optimized Application Capacity[5,6]	10 Mbps	20 Mbps	50 Mbps
Maximum HDX CCUs[7]	100	300	300
Maximum Accelerated TCP Sessions[8]	10,000	10,000	10,000

Appliance	1000 PE			
Model	1000-010-PE	1000-020-PE	1000-050-PE	1000-100-PE
Total Encrypted Throughput[4]	20 Mbps	40 Mbps	100 Mbps	200 Mbps
Max Virtual Paths (Static/Dynamic)	16/8	16/8	16/8	16/8
Optimized Application Capacity[5,6]	4 Mbps	6 Mbps	10 Mbps	20 Mbps
Maximum HDX CCUs[7]	40	60	100	200
Maximum Accelerated TCP Sessions[8]	10,000	10,000	10,000	10,000

[4] Total encrypted throughput refers to total amount of bandwidth that the appliance model is licensed for, both upstream and downstream, and is based on AES-128 encryption.

[5] Only outbound WAN traffic is counted against the licensed bandwidth. Inbound QoS and/or unaccelerated traffic does not count against the licensed bandwidth. Total inbound optimizable traffic should not exceed this threshold.

[6] Some protocols (ICA, for example) can limit the processing capacity of the appliance before the licensed bandwidth is reached.

[7] User count is based upon a medium-level workload as defined by Login VSI and Virtual Desktops/Apps advanced encryption security. User count is limited by link bandwidth and TCP session counts. No user count is enforced. Published numbers are for guidance purposes only.

[8] TCP session count will be reduced by active HDX sessions. No session count is enforced. Published numbers are for guidance purposes.

WANOP Edition Appliances

Appliance	5100 WANOP		4100 WANOP		
Model	5100-1500-WO	5100-2000-WO	4100-310-WO	4100-500-WO	4100-1000-WO
Optimized WAN Capacity[9,10]	1.5 Gbps	2 Gbps	310 Mbps	500 Mbps	1 Gbps
QoS/Unaccelerated Throughput Limit[9]	2 Gbps	4 Gbps	500 Mbps	1 Gbps	2 Gbps
Maximum HDX CCUs[11]	3,500	5,000	750	1,200	2,500
Maximum Accelerated TCP Sessions[12]	120,000	160,000	40,000	60,000	120,000
Concurrent Citrix SD-WAN Client Plug-ins	3,600	4,800	1,100	1,800	3,600
Video Caching					
WCCP Clustering	•	•	•	•	•
Networking Cloud Connector	•	•	•	•	•
Group Mode					

Appliance	3000 WANOP			2000 WANOP		
Model	3000-050-WO	3000-100-WO	3000-155-WO	2000-010-WO	2000-020-WO	2000-050-WO
Optimized WAN Capacity[9,10]	50 Mbps	100 Mbps	155 Mbps	10 Mbps	20 Mbps	50 Mbps
QoS/Unaccelerated Throughput Limit[9]	500 Mbps	500 Mbps	500 Mbps	200 Mbps	200 Mbps	200 Mbps
Maximum HDX CCUs[11]	300	400	500	100	200	300
Maximum Accelerated TCP Sessions[12]	50,000	50,000	50,000	20,000	20,000	20,000
Concurrent Citrix SD-WAN Client Plug-ins	750	1,000	1,200	100	200	750
Video Caching	•	•	•	•	•	•
WCCP Clustering	•	•	•	•	•	•
Networking Cloud Connector						
Group Mode	•	•	•	•	•	•

Appliance	1000 WANOP			800 WANOP		
Model	1000-006-WO	1000-010-WO	1000-020-WO	800-002-WO	800-006-WO	800-010-WO
Optimized WAN Capacity[9,10]	6 Mbps	10 Mbps	20 Mbps	2 Mbps	6 Mbps	10 Mbps
QoS/Unaccelerated Throughput Limit[9]	50 Mbps	50 Mbps	50 Mbps	50 Mbps	50 Mbps	50 Mbps
Maximum HDX CCUs[11]	60	100	200	20	60	100
Maximum Accelerated TCP Sessions[12]	10,000	10,000	10,000	10,000	10,000	10,000
Concurrent Citrix SD-WAN Client Plug-ins						
Video Caching	•	•	•	•	•	•
WCCP Clustering	•	•	•	•	•	•
Networking Cloud Connector						
Group Mode	•	•	•	•	•	•

WANOP Edition Virtual Appliances

Appliance	VPX						
Model	VPX 2-WO	VPX 6-WO	VPX 10-WO	VPX 20-WO	VPX 50-WO	VPX 100-WO	VPX 200-WO
Optimized WAN Capacity[9,10]	2 Mbps	6 Mbps	10 Mbps	20 Mbps	50 Mbps	100 Mbps	200 Mbps
QoS/Unaccelerated Throughput Limit	15 Mbps	50 Mbps	75 Mbps	150 Mbps	250 Mbps	250 Mbps	300 Mbps
Maximum HDX CCUs[11]	20	60	100	200	300	400	500
Maximum Accelerated TCP Sessions[12]	5,000	5,000	5,000	10,000	10,000	20,000	30,000
Concurrent Citrix SD-WAN Client Plug-ins	20	60	100	200	300	400	500
Video Caching	•	•	•	•	•		
WCCP Clustering					•	•	•
Networking Cloud Connector[13]	•	•	•	•	•	•	•
Group Mode							
Hypervisor	Citrix Hypervisor 5.5-6.2, Hyper-V 2008 R2SP1 - 2012, ESX/ESXi 4.1-6.0						
Processor	Dual core (Quad core recommended) Intel VTx or AMD-V 64-bit x86[14]						
Memory	6 GB					8 GB	16 GB
Virtual CPU	1x Citrix Hypervisor & 2x VMware vSphere (>2.33 GHz)	2-4x Citrix Hypervisor, Hyper-V & VMware vSphere (>2.33 GHz)					2-4x Citrix Hypervisor, Hyper-V & VMware vSphere (~3.0 GHz)
Hard Drive[15]	100 GB	100 GB	250 GB	250 GB	250 GB	500 GB	500 GB
Network Interface	2 Virtual NICs						

[9] Only outbound WAN traffic is counted against the licensed bandwidth. Inbound QoS and/or unaccelerated traffic does not count against the licensed bandwidth. Total inbound traffic should not exceed this threshold.

[10] Some protocols (ICA, for example) can limit the processing capacity of the appliance before the licensed bandwidth is reached.

[11] User count is based upon a medium-level workload as defined by Login VSI and Virtual Desktops/Apps advanced encryption security. User count is limited by link bandwidth and TCP session counts. No user count is enforced. Published numbers are for guidance purposes only.

[12] TCP session count will be reduced by active HDX sessions. No session count is enforced. Published numbers are for guidance purposes.

[13] For Citrix SD-WAN appliances, the Citrix Networking Cloud Connector is delivered as a separate software appliance.

[14] The VPX images are qualified to run on Intel processors only.

[15] For best performance, use solid state drives or high IOPs storage devices.

Hardware Specifications

Appliance	6100 SE	5100 SE/PE	5100 WO	4100 SE	4100 WO	3000 WO
Storage						
Total Disk Space	480 GB (SSD)	2 TB (HDD)	6.8 TB (HDD)	2 TB (HDD)	5.2 TB (HDD)	2.4 TB (SSD)
Compression History (SSD)[16]	SE: N/A	SE: N/A PE: 2.8 TB	4.3 TB	N/A	2.8 TB	1.5 TB
RAM	256 GB	128 GB	128 GB	96 GB	96 GB	32 GB
Network Interfaces[17]						
Fail-to-wire	4 x 10GBase-SR 4 x 1000Base-TX	4 x 10GBase-SR	4 x 10GBase-SR	2 x 10GBase-SR 4 x 1000Base-TX	2 x 10GBase-SR 4 x 1000Base-TX	6 x 1000Base-TX
Non Fail-to-wire	4 x 10G SFP+	4 x 10G SFP+	4 x 10G/1G SFP+	4 x 10G SFP+	4 x 10G/1G SFP+	
Management	2 x 1000Base-TX	2 x 1000Base-TX	2 x 1000Base-TX	2 x 1000Base-TX	2 x 1000Base-TX	2 x 1000Base-TX
Mechanical						
Rack Units	2U (3.5 inches/8.90cm)					1U (1.75 inches/4.45cm)
Rack Options	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets					
System Depth	28 inches (72cm)					24 inches (63.5cm)
System Weight	60 lbs (27.2 kg)					33 lbs (15 kg)
Shipping Dimensions	36.5" x 24.5" x 11" (94 x 63 x 28 cm)					32" x 23.5" x 7.5" (81.5 x 59.7 x 19.1 cm)
Shipping Weight	69 lbs (31.3 kg)					40 lbs (18.1 kg)
Power, Environmental, and Regulatory						
Power Supplies	Dual Redundant, Hot Swappable					Single (Optional Dual Redundant)
Wattage (Max)	1000W					450W (900W with redundant PSU)
Input Voltage/ Frequency Ranges	100-240 VAC, 47-63 Hz					100-240 VAC, 50-60 Hz
Input Current	5.5-2.8A	9.0-4.5A	9.0-4.5A	7.0-3.5A	7.0-3.5A	2.5-1.0A
Operating Temperature	32-114 F (0-45 C)	32-104 F (0-40 C)				
Operating Altitude	0-16,000 ft (0-5,000 M)					
Storage Temperature	14F to 140F (-10C to 60C)					
Allowed Relative Humidity	5%-95%, Non-condensing	20%-80%, Non-condensing				5%-95%, Non-condensing
Safety Certifications	CSA					UL, TUV-C
Electromagnetic Emissions, Safety & Environmental	FCC (Part 15 Class A), CCC, KCC, NOM, CITC, EAC, MoC, CE, VCCI, RCM, Anatel, BSMI, NTRA					
Environmental Compliance	ROHS, WEEE					
Citrix Compliance Regulatory Model	2U1P1A	2U1P1D	2U1P1D	2U1P1B	2U1P1B	NS 6xSFP 6xCU

[16] Models using HDD (Hard Disk Drive) and SSD (Solid State Drive) are indicate accordingly.
[17] Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012.

Hardware Specifications					
Appliance	**2100 SE/PE**	**2000 WO**	**1100 SE/PE**	**1000 SE/PE/WO**	**800 WO**
Storage					
Total Disk Space[16]	720 GB (SSD)	600 GB (SSD)	480 GB (SSD)	300 GB (SSD)	240 GB (SSD)
Compression History (SSD)	SE: N/A PE: 480 GB	275 GB	SE: N/A PE: 148 GB	148 GB	80 GB
RAM	32 GB	32 GB	24 GB	24 GB	8 GB
Network Interfaces[17]					
Fail-to-wire	4 x 1000Base-TX	4 x 1000Base-TX	4x 10/100/1000Base-TX	4 x 1000Base-TX	4 x 1000Base-TX
Non Fail-to-wire	4 x 1GE SFP	4 x 1GE SFP	2 x 10/100/1000 Base-TX, 2 x Flexible ports (SFP or 10/100/1000 Base-TX), 2 x PoE	-	-
Management	1 x 1000Base-TX	1 x 1000Base-TX	1 x 1000Base-TX	2 x 1000Base-TX	2 x 1000Base-TX
Mechanical					
Rack Units	1RU (1.75 inches/4.45 cm)				
Rack Options	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets				
System Depth	24 inches (63.5 cm)	24 inches (63.5 cm)	9.8 inches (25 cm)	10.5 inches (26.7 cm)	10.5 inches (26.7 cm)
System Weight	26 lbs (11.8 kg)	32 lbs (14.6 kg)	4.5 lbs (2.04 kg)	8 lbs (3.63 kg)	8 lbs (3.63 kg)
Shipping Dimensions	32” x 23.5” x 7.5” (81.5 x 59.7 x 19.1 cm)	32” x 23.5” x 7.5” (81.5 x 59.7 x 19.1 cm)	13.66" x 12.75" x 7.48" (34.69 x 32.38 x 18.99 cm)	26" x 18.5" x 6.5" (66.04 x 47 x 16.51 cm)	26" x 18.5" x 6.5" (66.04 x 47 x 16.51 cm)
Shipping Weight	40 lbs (18.1 kg)	39 lbs (17.8 kg)	7.5 lbs (3.4 kg)	14.0 lbs (6.35 kg)	14.0 lbs (6.35 kg)
Power, Environmental, and Regulatory					
Power Supplies	Single (Optional Dual Redundant)	Single	Single (Optional Dual Redundant)	Single	Single
Wattage (Max)	450W	300W	96.8W	200W	200W
Input Voltage/ Frequency Ranges	100-240 VAC, 50-60 Hz				
Input Current	3.4-1.7A	1.5 - 0.6A	2A	2.6A Max	2.6A Max
Operating Temperature	32-104 F (0-40 C)				
Operating Altitude	0-16,000 ft (0-5,000 M)	0-6,500 ft (0-2,000 M)	0-16,000 ft (0-5,000 M)	0-6,500 ft (0-2,000 M)	0-6,500 ft (0-2,000 M)
Storage Temperature	14F to 140F (-10C to 60C)		–4F to 140F (–20C to 60C)		
Allowed Relative Humidity	20%-80%, Non-condensing	5%-95%, Non-condensing			
Safety Certifications	CSA	UL, TUV-C	UL	UL, TUV-C	UL, TUV-C
Electromagnetic Emissions, Safety & Environmental	FCC (Part 15 Class A), CCC, KCC, FCC (Part 15, Class B) for 1100 SE/PE only, NOM, CITC, EAC, MoC, CE, VCCI, RCM				
Environmental Compliance	ROHS, WEEE				
Citrix Compliance Regulatory Model	1U1P1A	NS 6xCu	SDW-1100	CB504-2	CB504-2

[16] Models using HDD (Hard Disk Drive) and SSD (Solid State Drive) are indicate accordingly.
[17] Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012.

Hardware Specifications

Appliance	410 SE	210 SE	210 LTE SE (R1/R2/RC)
Storage			
Total Disk Space[16]	60 GB	64 GB (mSATA)	64 GB (mSATA)
Compression History	N/A	N/A	N/A
RAM	8 GB	4 GB	4 GB
Network Interfaces[17]			
Fail-to-wire	6 x 1000Base-TX	2x 10/100/1000 Ethernet w/ Bypass RJ45	1x 10/100/1000 Ethernet w/ Bypass RJ45
Non Fail-to-wire	-	1 x 10/100/1000 Ethernet RJ45, 2 x Flexible ports (10/100/1000 Ethernet RJ45 or 1GE SFP)	2 x Flexible ports (10/100/1000 Ethernet RJ45 or 1GE SFP)
Management	1 x 1000Base-TX	1x 10/100/1000 RJ45	1x 10/100/1000 RJ45
Integrated LTE	-	-	1 x LTE Modem[18]
Mechanical			
Rack Units	1RU (1.75 inches/4.45 cm)		
Rack Options	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets		
System Depth	14 inches (35 cm)	6.9 inches	6.9 inches
System Weight	8.5 lbs (3.87 kg)	2.75 lbs (1.25 kg)	3.15 lbs (1.42 kg)
Shipping Dimensions	14" x 16.8" x 1.7" (35.6 x 42.67 x 4.31 cm)	17.5" X 12" X 2.75" (44.5 x 30.5 x 7.0 cm)	17.5" X 12" X 2.75" (44.5 x 30.5 x 7.0 cm)
Shipping Weight	13.5 lbs (6.14 kg)	4.6 lbs (2.09 kg)	5.0 lbs (2.27 kg)
Power, Environmental, and Regulatory			
Power Supplies	Single		
Wattage (Max)	200W	45W External	45W External
Input Voltage/ Frequency Ranges	100-240 VAC, 50-60 Hz	100-240VAC, 47-63Hz	100-240VAC, 47-63Hz
Input Current	3-1.5A	4.0-2.1A	4.0-2.1A
Operating Temperature	32-104 F (0-40 C)		
Operating Altitude	0-6,500 ft (0-2,000 M)	0-16,000 ft (0-5,000 M)	0-16,000 ft (0-5,000 M)
Storage Temperature	14F to 140F (-10C to 60C)		
Allowed Relative Humidity	20%-80%, Non-condensing	5%-90%, Non-condensing	5%-90%, Non-condensing
Safety Certifications	CSA	UL	UL
Electromagnetic Emissions, Safety & Environmental	FCC (Part 15 Class A), CCC, KCC, NOM, CITC, EAC, CE, VCCI, RCM, RCM, Anatel, NTRA, BIS ,MOC, ICASA, BSMI	FCC (Part 15 Class B), CE, Anatel, BIS, BSMI, CCC, CITC, EAC, ICASA, KCC, RCM, VCCI	FCC (Part 15 Class A), CE, Anatel, BIS, BSMI, CCC, CITC, EAC, ICASA, KCC, RCM, VCCI, NAL,SSRC[19]
Environmental Compliance	ROHS, WEEE, Reach		
Citrix Compliance Regulatory Model	512-2	SDW-210	NS-SDW-210-LTE-R1, NS-SDW-210-LTE-R2 and NS-SDW-210-LTE-RC

[16] Models using HDD (Hard Disk Drive) and SSD (Solid State Drive) are indicate accordingly.
[17] Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012.
[18] 210-LTE-R1: Primarily for Americas and EMEA regions. Exceptions apply for some countries. Bands Supported: B1-B5, B7, B12, B13, B20, B25, B26, B29, B30, B41 | 210-LTE-R2: Primarily for APAC Region. Exceptions apply for some countries. Bands Supported: B1, B3, B5, B7, B8, B18, B19, B21, B28, B38-B41 | 210-LTE-RC: For China only. Bands Supported: B1, B3, B5, B7, B8, B18, B19, B21, B28, B38, B40, B41 | Please contact your Citrix sales representative for more information.
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