

Citrix SD-WAN Data Sheet



Why Citrix SD-WAN?

- Ability to detect, classify and accelerate over 4,500 SaaS, cloud, and virtual applications and sub applications
- Integrated advanced edge security, including Stateful and next-generation firewall capabilities like URL filtering, IPS/IDS and Anti-Malware. Integration with industry leading cloud-based secure web gateway vendors
- 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
- Integration with Citrix Virtual Apps and Desktops for automated fine-grained QoS and deep visibility into HDX/ICA traffic

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.

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.

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- Integrated comprehensive edge security stack with enterprise firewall, intrusion prevention, URL filtering and anti-malware to enable secure direct Internet access from branches to data centers and SaaS.
 - 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.

Enterprise-Grade Access On-ramp to Cloud/SaaS

Citrix SD-WAN Cloud Direct service enables resilient, high performance access from SD-WAN sites to thousands of SaaS, UCaaS, and one-hundred fifty cloud exchanges.

- Turnkey service that deploys in minutes, centrally managed with real-time visibility.
- Intelligently load balances and QoS optimizes up to four Internet links into redundant carrier-grade points-of-presence (PoPs), with “hit-less” failover.
- “Hit-less” failover mitigates internet circuit outages and even those difficult-to-detect brown-out conditions without disrupting any applications: CRM, ERP, UCaaS, virtual desktop sessions, and more.
- PoPs are interconnected via a high-speed, fully redundant global IP network, and directly peered to over 1,000 SaaS platforms and 150 major network and cloud exchanges.

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)	1000/32	1000/32	1000/32	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		
Model	1100-200-SE	1100-300-SE	1100-500-SE
Total Encrypted Throughput ¹	400 Mbps	600 Mbps	1 Gbps
Max Virtual Paths (Static/Dynamic)	64/32	64/32	64/32
Third-party Firewall as VNF*	Yes	Yes	Yes
Supports Citrix SD-WAN Cloud Direct	Yes	Yes	Yes

Appliance	210 SE/210 LTE (R1/R2/RC)				
Model	210-020-SE	210-050-SE	210-100-SE	210-200-SE	210-300-SE
Total Encrypted Throughput ¹	40 Mbps	100 Mbps	200 Mbps	400 Mbps	600 Mbps
Max Virtual Paths (Static/Dynamic)	16/4	16/4	16/4	16/4	16/4
Supports Citrix SD-WAN Cloud Direct	Yes	Yes	Yes	Yes	No

Appliance	110 SE/110 LTE WiFi [†] SE		
Model	110-20-SE	110-50-SE	110-100-SE
Total Encrypted Throughput ¹	40 Mbps	100 Mbps	200 Mbps
Max Virtual Paths (Static/Dynamic)	8/4	8/4	8/4

¹Total 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.

* Palo Alto Networks Next Generation Firewall (NGFW) can be hosted as VNF on Citrix SD-WAN 1100 SE.

[†] The Wi-Fi feature will be ready in Q4 with a software upgrade.

⁺⁺ 6100 SE can support 1000 nodes per RCN starting 11.1.0 release and only for deployments with Orchestrator. Deployments with SD-WAN Center will only be able to support 550 nodes per RCN.

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 Support²						
Citrix Hypervisor	Citrix Hypervisor 6.5 SP1					
VMware	ESX/ESXi 5.5, 6.0 & 6.5	ESX/ESXi 5.5, 6.0 & 6.5	ESX/ESXi 5.5, 6.0 & 6.5	ESX/ESXi 6.0 & 6.5	ESX/ESXi 6.0 & 6.5	ESX/ESXi 6.0 & 6.5
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 Support³						
AWS	c3.xlarge	c3.xlarge	c3.xlarge	c3.xlarge	c3.2xlarge	-
Azure**	D3_v2	D3_v2	D3_v2	D3_v2	D3_v2	D4_v2
GCP	N1-standard-4	N1-standard-4	N1-standard-4	N1-standard-4	-	-

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 (Static/Dynamic)	128	128	128	128	128	128
Hypervisor Support²						
Citrix Hypervisor	Citrix Hypervisor 6.5 SP1					
VMware	ESX/ESXi 5.5, 6.0 & 6.5	ESX/ESXi 5.5, 6.0 & 6.5	ESX/ESXi 5.5, 6.0 & 6.5	ESX/ESXi 6.0 & 6.5	ESX/ESXi 6.0 & 6.5	ESX/ESXi 6.0 & 6.5
HyperV	2012 R2					
KVM	Ubuntu 16.04					
Memory	16 GB	16 GB	16 GB	16 GB	16 GB	16 GB
Virtual CPU	16vCPU @ 2.7 GHz	16vCPU @ 2.7 GHz	16vCPU @ 2.7 GHz	16vCPU @ 2.7 GHz	16vCPU @ 2.7 GHz	16vCPU @ 2.7 GHz
Cloud Support³						
AWS	m4.4xlarge	m4.4xlarge	m4.4xlarge	m4.4xlarge	m4.4xlarge	m4.4xlarge
Azure**	F16	F16	F16	F16	F16	F16
GCP	N1-standard-16	N1-standard-16	N1-standard-16	N1-standard-16	-	-

¹Total 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.

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

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

** Citrix Managed Desktops customers with a Citrix SD-WAN subscription are entitled to use Citrix SD-WAN VPX in the Citrix Managed Desktops Azure VNet with no additional licensing fee.

Standard Edition Virtual & Cloud Appliances

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 (Static/Dynamic)	64	64	64	64	64	64
Hypervisor Support²						
Citrix Hypervisor	Citrix Hypervisor 6.5 SP1					
VMware	ESX/ESXi 5.5, 6.0 & 6.5	ESX/ESXi 5.5, 6.0 & 6.5	ESX/ESXi 5.5, 6.0 & 6.5	ESX/ESXi 6.0 & 6.5	ESX/ESXi 6.0 & 6.5	ESX/ESXi 6.0 & 6.5
HyperV	2012 R2					
KVM	Ubuntu 16.04					
Memory	16 GB	16 GB	16 GB	16 GB	16 GB	16 GB
Virtual CPU	8vCPU @ 2.7 GHz	8vCPU @ 2.7 GHz	8vCPU @ 2.7 GHz	8vCPU @ 2.7 GHz	8vCPU @ 2.7 GHz	8vCPU @ 2.7 GHz
Cloud Support³						
AWS	m4.2xlarge	m4.2xlarge	m4.2xlarge	m4.2xlarge	m4.2xlarge	m4.2xlarge
Azure	F8	F8	F8	F8	F8	F8
GCP	N1-standard-8	N1-standard-8	N1-standard-8	N1-standard-8	-	-

¹Total 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.

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

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

Advanced Edition Appliances

Appliance	1100 AE			
	Model	1100-200-AE	1100-300-AE	1100-500-AE
Total Encrypted Throughput ¹		400 Mbps	600 Mbps	1000 Mbps
Max Virtual Paths (Static/Dynamic)		64/32	64/32	64/32
Edge Security Throughput ²²		50 Mbps	100 Mbps	200 Mbps
IPS Throughput ²³		50 Mbps	100 Mbps	200 Mbps
NGFW Throughput ²⁴		50 Mbps	100 Mbps	100 Mbps
Concurrent Sessions		30,000	30,000	30,000

¹Total 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.

²²Edge security throughput refers to total amount of NGFW bandwidth that the appliance model can be licensed for.

²³Total throughput measured with IPS enabled.

²⁴Total NGFW throughput measured with Firewall, IPS URL-Filtering, and Anti-malware enabled.

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+
Virtual Instance on Public Cloud (IaaS)	Azure, Amazon Web Services, Google Cloud Platform, Oracle Cloud Infrastructure
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 (with the MCN)
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	Optimized Office 365 Breakout, Optional Citrix SD-WAN Cloud Direct Service
Security (Cloud)	Zscaler, Palo Alto Prisma Access (Formerly Palo Alto GPCS)
Security (On-Prem)	L4-7 Application Firewall, NAT, Secure Web Gateway connectivity, ICSA Labs certified, FIPS compliant, Palo Alto Networks Next-Gen Firewall as VNF (1100-SE only)
Edge Security	<p>IPS/IDS: Signature-based, 26000 signatures with automatic updates, Lateral movement detection and prevention, Default & customer defined profiles</p> <p>Web Filtering: 79+ categories, 750+ million domains & 32+ billion URLs classified across 45+ languages, Customer defined rules, Custom block page URL</p> <p>Malware Protection: Protects against the full range of Internet traffic: HTTP, FTP and SMTP, Auto signature updates, Decompresses and scans archives and compressed files: Zip, RAR, Tar, Gzip, Bzip2, MS OLE2, MS Cabinet Files, MS CHM, and MS SZDD</p>
Tunnel Interfaces	GRE, IPsec, Citrix Virtual Path

Premium Edition Appliances

Appliance	6100 PE	
Model	6100-3000-PE	6100-4000-PE
Total Encrypted Throughput ⁴	6 Gbps	8 Gbps
Max Virtual Paths (Static/Dynamic)	1000/32	1000/32
Optimized Application Capacity ^{5,6}	500 Mbps	500 Mbps
Maximum HDX CCUs ⁷	750	750
Maximum Accelerated TCP Sessions ⁸	60,000	60,000

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

⁴Total 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.

⁵Only 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.

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

⁷User 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.

⁸TCP 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 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.

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
Model						
Total Disk Space ¹⁶	480 GB (SSD)	2 TB (SSD)	6.8 TB (HDD)	2 TB (SSD)	5.2 TB (HDD)	2.4 TB (SSD)
Compression History (SSD)	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 Interfaces¹⁷						
Fail-to-wire	4x 10GBase-SR 4x 1000Base-TX	4x 10GBase-SR	4x 10GBase-SR	2x 10GBase-SR 4x 1000Base-TX	2x 10GBase-SR 4x 1000Base-TX	6x 1000Base-TX
Non Fail-to-wire	4x 10G SFP+	4x 10G SFP+	4x 10G/1G SFP+	4x 10G SFP+	4x 10G/1G SFP+	-
Management	2x 1000Base-TX	2x 1000Base-TX	2x 1000Base-TX	2x 1000Base-TX	2x 1000Base-TX	2x 1000Base-TX
Mechanical						
Rack Units	2U (3.5 inches/8.90 cm)					1U (1.75 in/4.45 cm)
Rack Options	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets					
System Depth	28 inches (72 cm)					24 in (63.5 cm)
System Weight	60 lbs (27.2 kg)					33 lbs (15 kg)
Shipping Dimensions	36.5" x 24.5" x 11"					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	5.5-2.8 A	9.0-4.5 A	9.0-4.5 A	7.0-3.5 A	7.0-3.5 A	2.5-1.0 A
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	14°F-140°F (-10°C-60°C)					
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 indicated 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 WO	800 WO
Model					
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 Interfaces¹⁷					
Fail-to-wire	4x 1000Base-TX	4x 1000Base-TX	4x 10/100/1000 Base-TX	4x 1000Base-TX	4x 1000Base-TX
Non Fail-to-wire	4x 1GE SFP	4x 1GE SFP	2x 10/100/1000 Base-TX, 2x Flexible Ports (SFP or 10/100/1000 Base-TX), 2x POE	-	-
Management	1x 1000Base-TX	1x 1000Base-TX	1x 1000Base-TX	2x 1000Base-TX	2x 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 in (63.5 cm)	24 in (63.5 cm)	9.9 in (25 cm)	10.5 in (26.7 cm)	10.5 in (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	3.4-1.7A	1.5-0.6A	2A	2.6A Max	2.6A Max
Input Current	5.5-2.8 A	9.0-4.5 A	9.0-4.5 A	7.0-3.5 A	7.0-3.5 A
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	14°F-140°F (-10°C-60°C)		-4°F-140°F (-20°C-60°C)		
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 indicated accordingly.

¹⁷ Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012.

Hardware Specifications

Appliance	210 SE	210 LTE SE (R1/R2/RC)
Model		
Total Disk Space ¹⁶	64 GB (mSATA)	64 GB (mSATA)
Compression History (SSD)	N/A	N/A
RAM	4 GB	4 GB
Network Interfaces¹⁷		
Fail-to-wire	1x 10/100/1000 Ethernet with Bypass RJ45	1x 10/100/1000 Ethernet with Bypass RJ45
Non Fail-to-wire	1x 10/100/1000 Ethernet RJ45, 2x Flexible ports (10/100/1000 Ethernet RJ45 or 1GE SFP)	1x 10/100/1000 Ethernet RJ45, 2x Flexible ports (10/100/1000 Ethernet RJ45 or 1GE SFP)
Management	1x 10/100/1000 RJ45	1x 10/100/1000 RJ45
Integrated LTE	-	Integrated LTE-1x CAT6 LTE Advanced Modem (with dual carrier aggregation) ¹⁸
LTE SIM Management	-	Single SIM (Primary with auto or manual APN)
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	6.9 in (17.53 cm)	6.9 in (17.53 cm)
System Weight	2.75 lbs (1.25 kg)	3.15 lbs (1.42 kg)
Shipping Dimensions	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	4.6 lbs (2.09 kg)	5.0 lbs (2.27 kg)
Power, Environmental, and Regulatory		
Power Supplies	Single	Single
Wattage (Max)	45W External	45W External
Input Voltage/Frequency Ranges	100-240 VAC, 47-63 Hz	100-240 VAC, 47-63 Hz
Input Current	4.0-2.1A	4.0-2.1A
Operating Temperature	32-104°F (0-40°C)	
Operating Altitude	0-16,000 ft (0-5,000 M)	0-16,000 ft (0-5,000 M)
Storage Temperature	14°F-140°F (-10°C-60°C)	
Allowed Relative Humidity	5%-90%, Non-condensing	5%-90%, Non-condensing
Safety Certifications	UL	UL
Electromagnetic Emissions, Safety, & Environmental	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	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 indicated 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.

¹⁹ 210-LTE-RC: EMC Certifications include CCC, NAL, SRRC – FCC (Part 15 Class A), CE, CITC, EAC, ENACOM, IFT 210-LTE-R2: EMC certifications include – FCC (Part 15 Class A), CE,

Hardware Specifications

Appliance	110 SE	110 LTE WiFi SE
Model		
Total Disk Space ¹⁶	32 GB	32 GB
Compression History (SSD)	N/A	N/A
RAM	4 GB	4 GB
Network Interfaces¹⁷		
Fail-to-wire	-	-
Non Fail-to-wire	3x 10/100/1000 RJ45	3x 10/100/1000 RJ45
Management	1x 10/100/1000 RJ45	1x 10/100/1000 RJ45
Integrated LTE	-	Integrated LTE-1x CAT4 LTE Modem
LTE SIM Management	-	Dual SIM (Primary & failover with auto or manual APN)
Integrated WiFi	-	Yes
Mechanical		
Rack Units	1RU (1.75 inches/4.45 cm)	
Rack Options	Shelf	Shelf ^{21, 22}
System Dimensions	8.5" L x 6.25" W x 1.5" H (21.6 x 15.88 x 3.81 cm)	
System Weight	1.37 lbs (0.62 kg)	1.37 lbs (0.62 kg)
Shipping Dimensions	15.16" L x 10" W x 3.55" H (38.51 x 25.4 x 9.02 cm)	
Shipping Weight	2 lbs (0.91 kg)	2 lbs (0.91 kg)
Power Supply Ratings		
Power Supplies	Single (External)	Single (External)
Input Voltage/Frequency Ranges	90-264 VAC, 47-63 Hz	90-264 VAC, 47-63 Hz
Input Current	0.6A	0.6A
Wattage (Max)	24W	24W
Appliance Ratings		
Input Voltage	12 VDC	12 VDC
Input Current	2.0 A	2.0 A
Wattage	10W typ. (15.5W Max)	10W typ. (15.5W Max)
Environmental and Regulatory		
Operating Temperature	32-104°F (0-40°C)	32-104°F (0-40°C)
Operating Altitude	0-16,000 ft (0-5,000 M)	0-16,000 ft (0-5,000 M)
Storage Temperature	14°F-140°F (-10°C-60°C)	14°F-140°F (-10°C-60°C)
Allowed Relative Humidity	5%-90%, Non-condensing	5%-90%, Non-condensing
Regulatory Certifications	Anatel, CE, CCC, ENACOM, FCC, ICASA, ISED, RCM, UL	Anatel, BTK, CE RED, CCC, ENACOM, FCC, ICASA, IFT, ISED, RCM, SRR, UL, WPC
Industry Certifications	-	GCF, PTCRB, Wi-Fi Certified ^{TM20}
Environmental Compliance	ROHS, WEEE, Reach	ROHS, WEEE, Reach
Citrix Compliance Regulatory Model	SD-WAN 110	SD-WAN 110-LTE-WiFi

¹⁶ Models using HDD (Hard Disk Drive) and SSD (Solid State Drive) are indicated accordingly.

¹⁷ Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012.

²⁰ The Wi-Fi CERTIFIED™ Logo is a certification mark of Wi-Fi Alliance®

²¹ WiFi Signal strength will be impaired and WiFi connection to the appliance may not even be possible. Installation onto a shelf in a metal rack is not recommended.

²² Extender cables required to remotely locate the LTE Antennas.



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