



Accelerate Networks for the Digital Economy

ScaleAOn[®] SD-WAN 12.1



Lavelle Networks believes in delivering the best enterprise network experience for every user, on every device, for any application, on any cloud. We believe that by doing this we will enable every customer to take their business to every location on the planet they wish to, because we will be there to ensure their networks are always **accelerated, secured and simplified**.

Our **ScaleAOn™solution** is the most comprehensive portfolio for transforming your enterprise network. Are you racing to the cloud only to find that your network is slow, complex or alarmingly insecure? Are your branches only a source of constant network budget increases? Are you frustrated that every year the only network discussion is a renewal of your bandwidth contracts, and not a better network? Maybe you are unhappy that your SD-WAN conversations with your current network vendors are only about license upgrades, and never about the great network experience SD-WAN promises?

Try ScaleAOn®

See why some of the world's largest retailers, e-commerce logistics, banking, insurance and public services are not looking back once they deploy ScaleAOn SD-WAN.

The one thing all our customers agree is that their Digital Transformation journeys are racing forward once they decide that the Lavelle Networks ScaleAOn SD-WAN is their trusted enterprise network platform.



Why the name **ScaleAOn[®]** ?

Networking at Scale, Always ON

It's not just a name, it symbolizes what we try and achieve with every line of software code, every circuit on the hardware, and every call that comes to our support center. Make your network scale at will, and keep it always, always running. It is no wonder that one of the world's largest e-commerce companies runs nation wide flash sales, involving billions of transactions on our SD-WAN platform, with the backend support of our Customer Experience Team. That's how well this architecture works.

Understanding the Lavelle Networks SD-WAN Solution family



Edge Appliances

CloudPort EDGE appliance suite of physical, virtual and cloud instances which provide the widest range of on-site network connectivity from 4G to Fiber to V.35 Serial E1 lines.



Gateway Appliances

CloudPort GATEWAY appliance suite of physical, virtual and cloud instances which provide elastic, flexible and the most superior interoperability to aggregate and connect your SD-WAN edge network to your Data Center or Cloud Networks.



Controller Appliances

CloudStation NETWORK CONTROLLER appliance suite of physical, virtual and cloud instances which provide the wonderful magic of next generation SDN architecture, intent driven policies, modern dashboards, network segmentation tools



Insight Appliances

CloudStation NETWORK ANALYTICS appliance suite of physical, virtual and cloud instances which power the advanced network flow analysis that fuels our industry leading dynamic path selection, automated performance characterization using Network Scores, split second visualization of Top Network usage by user, flows or applications.

Next Generation SD-WAN Software Licenses



SD-Edge software license delivering essential software defined routing capabilities.



Network usage profile based ScaleAOn™ Edge licenses to connect your locations needing pure IoT connectivity to large enterprise offices with thousands of users.



Pay-as-you-scale Network capacity based ScaleAOn™ Gateway licenses to upgrade your aggregate connection capacity on the CloudPort Gateway appliances.



Flexible feature based ScaleAOn™ Controller & Insight licenses to help you pick the day-to-day network management and monitoring features that you need.

CloudPort Edge

Our WAN/Edge appliance available in physical form factor or as an "any cloud provider ready" virtual appliance. It allows you to use multiple forms of network links (4G to Fiber to V.35 serial) to connect your users to your applications. It inter-operates with your existing branch or edge routers or firewalls to help a smooth transformation to SD-WAN. A 100% zero touch provisioning algorithm, an authenticated on-site web interface, and a mature LAN/WiFi feature set ensures that the only network devices in your branch are the CloudPort.

CloudPort Edge Models

CloudPort H-CP-SFL (Small Format Locations)	
H-CP-SFL	ScaleAOn SD-WAN Hardware, CloudPort Edge, Small Format Locations, 4-port RJ-45, 2USB, 12V DC Base Model.
CloudPort H-CP-MFL (Medium Format Locations)	
H-CP-MFL	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations, 4-port RJ-45, 2USB, 12V DC Base Model.
H-CP-MFL-S	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations, E1 V.35 Serial 12V DC Base model.
H-CP-MFL-6P	ScaleAOn SD-WAN Hardware, CloudPort, Medium Format Locations, 6 RJ-45 Ethernet, 2 USB, AC power, 1U base model.
CloudPort H-CP-LFL (Large Format Locations)	
H-CP-LFL	ScaleAOn SD-WAN Hardware, CloudPort Edge, Large Format Locations, 6 RJ-45 Ethernet, 2 USB, AC power, 1U Base Model.
CloudPort H-CP-XFL (Extra Large Format Locations)	
H-CP-XFL-6E	ScaleAOn SD-WAN Hardware, CloudPort Edge, Extra Large Format Locations, 6 RJ-45 Ethernet Ports, 2 USB, AC Power.
H-CP-XFL-6E-R1A	ScaleAOn SD-WAN Hardware, CloudPort Edge, Extra Large Format Locations, 6 RJ-45 Ethernet, 2 USB, One AOC for Additional Ports (to be Ordered from FRU List) with Redundant Power Supply.
H-CP-XXFL	ScaleAOn SD-WAN Hardware, CloudPort Edge, Double Extra Large Format Locations, with minimum 2 expansion slots, Redundant Power Supply

	 SFL	 MFL	 LFL	 XFL	 XXFL
Expansion Slots	-	-	-	-	-
USB	2	2	2	2 (minimum)	2 (minimum)
Power Supply	12V External DC Adaptor	AC Input: 100~240V, 50~60Hz	12V External DC Adaptor	AC Input: 100~240V, 50~60Hz	AC Input: 100~240V, 50~60Hz
Encryption Acceleration	Y	Y	Y	Y	Y
Mounting Type*	Desktop	Desktop	1RU	1RU	1 RU/ 2 RU
Temperature	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C
Altitude	3000m	3000m	3000m	3000m	3000m
Humidity	5%-95% (non-condensing)	5%-95% (non-condensing)	5%-95% (non-condensing)	5%-95% (non-condensing)	5%-95% (non-condensing)
MTBF (in hours)	70000	70000	70000	100000	100000
SD-WAN Throughput**	15Mbps	100Mbps	500Mbps	1000Mbps	10000Mbps
VPN Supported *	50 Tunnels	1000 Tunnels	4000 Tunnelss	8000 Tunnels	32000 Tunnels
RAW Throughput	-	1000 Mbps	1000 Mbps	3000 Mbps	10000 Mbps
No.Routes	50K	100K	150K	200K	500K

*SFL/MFL are provided with special rack mounting kit.

*Rest of the SKUs are provided with Standard Rail kit / Rack mounting kit by default.

**supports SDWAN and all Web Protect features

++ All LAN throughput supported upto individual port stated speed.

^^Supported NIC Options mentioned in Page 10 1 - Applicable for XFL and XXFL.



Hypervisor Platform

 CP-LFL

 CP-XFL

Hypervisor Type	ESXi/KVM	ESXi/KVM
Processor	Intel® XeonR CPU E5-2673 v4 @ 2.30GHz	Intel® XeonR CPU E5-2673 v4 @ 2.30GHz
Memory	8 GB	16 GB
Virtual CPU	4	8

CloudPort Edge Wireless Models

The CloudPort Edge Wireless models provide the widest range of cellular (4G and / or 5G) and wireless lan (Wi-Fi 5, 6) connectivity options, with the same ease of use as the CloudPort Edge wired modes that have served our customers for over a decade. The wireless models are optimised for medium format retail stores, kiosks, quick commerce, dark stores, IoT locations like ATMs or surveillance, fuel stations, and all forms of digitised customer experience retail outlets - our customers in such locations deploy these units for the key reasons of Always On (as it is built on ScaleAOn architecture) connectivity to their core customer experience and business applications. Whether it is sending out a nation wide flash sales pricing update, or ensure the customer walk in purchase is instantaneously synchronised with your cloud database for your customer's mobile application to notify that you are always in touch with your customers - the Edge Wireless models are your trusted infrastructure.

Designed & developed for the world's largest cellular communications subscriber market, and interoperability with all major service providers, choosing our Edge Wireless models ensures every corner of your network is in your control. Our wireless edge models support all the licensed spectrum bands, for your worry free nation wide rollouts.

SKU Code	Description	Category
H-CP-MFL-W405	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports	Hardware
H-CP-MFL-W406	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports	Hardware
H-CP-MFL-W445	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Dual-4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports	Hardware
H-CP-MFL-W446	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Dual-4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports	Hardware
H-CP-MFL-W505	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Single 5G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports	Hardware
H-CP-MFL-W506	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Single 5G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports	Hardware
H-CP-MFL-W555	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Dual-5G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports	Hardware
H-CP-MFL-W556	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Dual-5G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports	Hardware

*Note : 2x 5 dBi antenna will provided . Higher dBi antennas like 12 dBi with Cable will be provided at cost based on the specific requirements

SD-Edge



Ease of Deployment

Zero touch provisioning, zero peering architecture, Private IP at branch, with multi-NAT traversal. Plug and Play deployment at spoke locations, no peering protocols on WAN side.



Traffic Control

Policy based QoS, bandwidth control, traffic rate limiting. MTU supported upto 9216 bytes \$. Active /Active Load Balancing for Hybrid WAN MSS



Routing

Tunnel Protocol – GRE, IPSec, BGPv4 (IPv4 & IPv6), OSPF (V2, V3), Static Routes, RIP~, IGMP~, PIM-SM~, PIM-SSM~, IPv4, VLAN Tagging* IEEE 802.1Q, Port Forwarding*IPv6, IPv6 Protocols, IPv6 addressing architecture, IPv6 name resolution, IPv6 statistics, IPv6 neighbour discovery, DSCP marking, Loopback IP for Management, Static NAT, Dynamic NAT, PAT, NAT64, ICMPv6, IPv6 DHCP, Dual Stack (IPv4 and IPv6), LLDP 802.1AB)



High Availability

Branch Active-Active or Active-Passive load balancing; VRRP protocol



Programmability

Automate configuration and control of all CloudPort (Edge & Gateway) through centralized Controller; Can support multi-hub in active-active state up to 10.; Has local storage for syslog, configuration files and OS Images (Current and previous)



Hybrid WAN

MPLS*, P2P, ILL, wired or wireless. 10/100/1000/auto speed, half/full duplex



LAN Management

DHCP, DNS Proxy, Static routes, LACP**, 10/100/1000/auto speed, half/full duplex



WAN Optimisation

FEC (Forward Error Correction), Packet duplication, Further improves application performance and network efficiency by Quality Score based load balancing. caching and compression.\$

* 1 - Bgpv4+ will be enabled as required with a custom image

++ All features available in Cloudport Edge are applicable for Cloudport Gateway as well.

** LACP is supported in the Cloudport devices, Controller and Insights

\$Not supported with ScaleAOOn Edge Lite

ScaleAOn[®] Edge



SD-WAN VPN

Multi-link elastic VPN, ScaleAOn private network segmentation - Full mesh any-to-any VPN, Single / multiple HUB and Spoke topology; Virtual Topology per virtual Network; Support up to 250 Network Groups \$.



Path Selection

Network parameters for path selection include - latency, jitter, PLR, network capacity WAN policies to override or customise link selection. Flow based load balancing.



Cloud Connect

Public / Private Cloud connectivity. Virtual instance looks like extended physical branch. All business policies are applicable to virtual branch in same fashion.



Tunnel Protocols

Lavelle specialized encapsulation for advanced SD-WAN path performance, IPSEC with IKEv2 and PKI, crypto Acceleration/offloading



Enterprise Data Security

Encryption - AES128 AES256, SHA256 Authentication - SHA 384, SHA 512 Mode -CBC, Counter, GCM:DDOS.



High Availability

DC/DR Advanced Redundancy, Active/Active, Active/Backup.



FEC & Packet Duplication

Forward Error Correction (FEC) and Packet Duplication ensure high application availability by minimizing packet loss and jitter. These features enhance performance on unreliable links, delivering seamless connectivity even in challenging network conditions.



Routing & IPSEC interoperability

Robust Routing capabilities with support for dynamic protocols like BGP and OSPF. It also offers seamless IPsec interoperability, enabling secure connectivity with third-party networks and legacy infrastructure.



Device Security – TPM Supports

Device Security is strengthened with TPM (Trusted Platform Module) support \$, ensuring hardware-based protection for sensitive data and cryptographic operations.

++ All features available in Cloudport Edge are applicable for Cloudport Gateway as well.

*For virtual Form factor, depends upon Hypervisor support

\$Not supported with ScaleAOn Edge Lite

All ScaleAOn Edge[®] features are licensed using a flexible, capacity and usage-based model illustrated below.

ScaleAOn[®] Edge Licenses

ScaleAOn[®] Edge Micro

ScaleAOn[®] Edge Lite

ScaleAOn[®] Edge Turbo

ScaleAOn[®] Edge Dynamo*

ScaleAOn[®] Edge Dynamo X Edition

	IoT, Banking ATM, Retail POS use cases	Small branch office	Regional Offices	HQ Offices, BPO Locations, Service Centers	Large HQ, Data Centers
Users	< 5	< 25	< 100	< 900	< 7000
Endpoints	< 5	< 25	< 100	< 900	< 7000
Bandwidth	< 5 mbps	< 25 mbps	< 100 mbps	< 1000 mbps	< 10K mbps
Applications	< 5	< 25	< 100	< 50	< 5000

* Certain features may require custom resizing of dynamo

CloudPort Gateway

All SD-WAN edge locations need to be aggregated and connected in an interoperable manner to your data center or cloud networks. Our Gateway appliances help you do just that with their powerful hardware and software capabilities to handle thousands of VPN tunnels, large BGP or OSPF network aggregation and peering, advanced high availability architectures, all of this to ensure that your SD-WAN edge / branches have the best network connection to your applications.



CloudPort Gateway Models

H-CPG-500	ScaleAOn SD-WAN Hardware, CloudPort Gateway, upto 500Mbps, 1RU with Redundant Power Supply.
H-CPG-1000	ScaleAOn SD-WAN Hardware, CloudPort Gateway, upto 1Gbps, 1RU with Redundant Power Supply.
H-CPG-10000	ScaleAOn SD-WAN Hardware, CloudPort Gateway, 10Gbps upgradable to 25Gbps of encryption throughput with minimum 4 expansion slots
H-CPG-50000	ScaleAOn SD-WAN Hardware, CloudPort Gateway, upto 50Gbps , 2RU with Redundant Power Supply,with minimum 5 expansion slots

Supported NIC Options

- Quad Port 1GbE BASE-T⁻¹
- Dual Port 10GbE BASE-T⁻²
- Quad Port 10GbE BASE-T⁻²
- Dual Port 10/25GbE SFP28⁻²
- Quad Port 10/25GbE SFP28⁻²
- Dual Port 100GbE QSFP28⁻³
- Quad Port 1/10 SFP+⁻¹
- Dual Port 1/10 SFP+⁻¹



H-CPG-500



H-CPG-1000



H-CPG-10000



H-CPG-50000

	H-CPG-500	H-CPG-1000	H-CPG-10000	H-CPG-50000
Expansion Slots	Upto 2	Upto 2	Minimum 4	Minimum 5
Encryption Acceleration	Y	Y	Y	Y
Power Supply	AC Input: 100~240V, 50~60Hz	AC Input: 100~240V, 50~60Hz	AC Input: 100~240V, 50~60Hz	AC Input: 100~240V, 50~60Hz
Redundant Power Supply	N+N	N+N	N+N	N+N
Mounting Type*	1RU	1RU	1RU/2RU	2RU
Temperature	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C
Altitude	3000m	3000m	3000m	3000m
Humidity	5%-95% (non-condensing)	5%-95% (non-condensing)	5%-95% (non-condensing)	5%-95% (non-condensing)
MTBF (in hours)	70000	100000	100000	100000
SD-WAN Throughput**	500Mbps	1000Mbps	1000Mbps	50000Mbps
VPN Supported	4000 Tunnels	8000 Tunnels	32000 Tunnels	180000 Tunnels
No.Routes	150k	200k	500k	1000k

1 - Applies for all devices having Expansion Slots **2** - Applicable ONLY for CPG-10000 and CPG-50000

3 - Applicable ONLY for CPG-10000 and CPG-50000

* Supplied along with Rackmounting kit

** supports SDWAN and all Web Protect features

** H-CPG-10000-R5A2U -- SD-WAN Throughput supported upto 25000Mbps

++ All LAN throughput supported upto individual port stated speed

++ Any of the ports can be configured as LAN or WAN or Management port



Hypervisor Platform



CPG - 500



CPG - 1000

Hypervisor Type	ESXi/KVM	ESXi/KVM
Processor	Intel® Xeon R CPU E5-2673 v4 @ 2.30GHz	Intel® Xeon RD CPU E5-2673 v4 @ 2.30GHz
Memory	8 GB	16 GB
Virtual CPU	4	8



Cloud Support



CPG - 500



CPG-1000

Azure	F4s	F8s
AWS	c5.xlarge	c5.2xlarge
GCP	n1-standard-4	n1-standard-8

ScaleAOn[®] Gateway



Standard



Aggregate up to 1Gbps of SD-WAN edge traffic



BGP, OSPF peering



Link bonding to upstream and downstream data centre switches



Multi Point Internet breakout



Routing & IPsec Interoperability



Advanced



NFV service chain with 3rd Party NGFW or WAN Op



DC/DR traffic re-routing capabilities



Aggregate up to 50Gbps of SD-WAN edge traffic



Horizontally scalable with Software build to scale beyond 1Lac Nodes



Probes will be sent every 1 second for calculation of (latency/jitter/packet loss)



FEC, Packet Duplication



Device Security – TPM Supports

CloudStation Controller

Our **CloudStation** Network Controller appliance suite of physical, virtual and cloud instances which provide the wonderful magic of next generation SDN architecture, intent driven policies, modern dashboards, network segmentation tools.

CloudStation Controller Models

H-CS-100-2E-R	ScaleAOn SD-WAN Hardware, CloudStation Network Controller, upto 100 Nodes/Locations, 2 RJ-45 Ethernet, Expandable Interfaces, 1RU with Redundant Power Supply.
H-CS-1000-2E-R	ScaleAOn SD-WAN Hardware, CloudStation Network Controller, upto 1000 Nodes/Locations, 2 RJ-45 Ethernet, 1 AOC for Expandable Interfaces, 1RU with Redundant Power Supply.
H-CS-2000-2E-R	ScaleAOn SD-WAN Hardware, CloudStation Network Controller, upto 2000 Nodes/Locations, 2 RJ-45 Ethernet, 1 AOC for Expandable Interfaces, 1RU with Redundant Power Supply.
H-CS-XL-4E-R4A2U	ScaleAOn SD-WAN Hardware, CloudStation Network Controller, Large Networks with more than 2000 locations, 4x10G Copper, 4xAOC for Expandable Interfaces, 2RU with Redundant Power Supply.
H-CS-XXL-4E-R4A2U	ScaleAOn SD-WAN Hardware, CloudStation Network Controller, Large Networks upto 10K locations, 4x10G Copper, 4xAOC for Expandable Interfaces, 2RU with Redundant Power Supply.
H-CS-30000-2E-R Hardware	CloudStation Network Controller Cluster, upto 30000 Nodes/Locations, 2 RJ-45 Ethernet, 8 AOC for Expandable Interfaces, Redundant Power Supply. 1RU

* All ScaleAOn SD-WAN Hardware for CloudStation Network Controller are provided with Redundant Power Supply (N+N)

CloudStation Controller Software Features

 **Standard**

 **Advanced**

Network Administrators Access control for Administrator users	✓	✓
Network Operators Access control for Network Operator users Access control integration with TACACS+, PAM	✓	✓
Web console for branch device Web based local access on CloudPort appliance Data update between CS Controller and Cloudport Edge & Gateway happens every 30 seconds.	✓	✓
Browser based remote command line to branch office CloudPort appliance diagnostics through remote command shell	✓	✓

SD-WAN orchestrator on customer premise/Cloud CloudStation instance in Customer premise or customer cloud account, login for monitoring as well as management of network. Controllers can handle pull requests for 10k locations based on controller sizing.	✓	✓
Monitoring and Alerting Leverage Syslog Integration for proactive monitoring and alerting of critical network issues, Integration with SIEM	✓	✓
Ticket based configuration Configuration requests via helpdesk tickets	✓	✓
Helpdesk Monitoring Access Access control for monitoring users	✓	✓
Defining signature based custom Applications Custom signature configuration using extensible scripts.	✓	✓
Multi Point Internet breakout Policy based Internet traffic steering for remote breakout	✓	✓
Quarantine host or branch using granular WAN redirection Policy based quarantine host or branch	✓	✓
Threshold based alerts for faults, information, events Configurable thresholds for alerting	✓	✓
Application aware and intent-driven policies Application based policies, data encryption with auto refresh of keys based on Key lifetime	✓	✓
SNMP (v2, v3) Allows network monitoring from external SNMP Managers	✓	✓
Alerts via SMS, email Receive notifications on email or messaging.	✓	✓
Per branch, per link - utilization, throughput, network scores Historical Graphs, Site Speed Test, data input populated every 2 minutes	✓	✓
Network flow analysis per user, per end point, per application Flow, Data usage, Data rate visibility per user, per end point, per application, Enhanced Networking Monitoring with NetFlow Integration's data export, collection and analysis capabilities	✓	✓
Controller High Availability Historical Graphs, Site Speed Test, data input populated every 2 minutes	✓	✓
Admin Authentication using Microsoft Active Directory	✓	✓
REST APIs for custom monitoring and automation 3rd party integration using REST APIS	✓	✓
Provision multiple tenants Create, manage multiple customer or tenants	✗	✓
Horizontally scalable Software build to scale beyond 1 Lac Nodes	✓	✓
Concurrent user supported Standard upto 50 & Advanced upto 200	✓	✓
Policies & profiles Standard upto 3000 & Advance - upto 5000	✓	✓
Roll Back Software Rollback to previous version, Network changes upto the size of 10K locations is about 10minute	✗	✓

OS/Firmware/Software Update / Delete OS/Firmware upgrade, patch update, capability to delete old/unwanted images, propagation of changes to the entire network within 10 minutes (upto 10K locations)	✓	✓
Reports All reports are system generated data with report scheduling.	✓	✓
Data Encryption	✓	✓
High Availability in Public Cloud High availability in public cloud, private cloud and on prem deployment	✓	✓
IPv6 Control , Policy Management Support IPv6 Control and Management Support, enabling seamless configuration, monitoring, and troubleshooting of IPv6 networks. This ensures future-ready networking with consistent performance and policy enforcement across IP versions. full IPv6 Policy Configuration, allowing consistent security policies across both IPv4 and IPv6 networks. Comprehensive Monitoring ensures visibility into IPv6 traffic, aiding in compliance and threat detection.	✓	✓
Service Provider Web UI Service Provider Web offers a centralized, multi-tenant interface designed for easy management of customer networks. It provides real-time visibility, simplified provisioning, and intuitive controls tailored for large-scale service operations.	✓	✓

CloudStation Insights

Our **CloudStation Network Analytics** appliance suite of physical, virtual and cloud instances which power the advanced network flow analysis that fuels our industry leading dynamic path selection, automated performance characterization using Network Scores, split second visualization of Top Network usage by users flows or applications.



CloudStation Insights Models

H-CSI-100-2E-R2U	ScaleAOn SD-WAN Hardware, CloudStation Network Insights, upto 100 Nodes/Locations, 2 RJ-45 Ethernet, Expandable Interfaces, 2RU with Redundant Power Supply.
H-CSI-1000-2E-R2U	ScaleAOn SD-WAN Hardware, CloudStation Network Insights, upto 1000 Nodes/Locations, 2 RJ-45 Ethernet, 2 AOCs for Expandable Interfaces, 2RU with Redundant Power Supply.
H-CSI-2000-2E-R2U	ScaleAOn SD-WAN Hardware, CloudStation Network Insights, upto 2000 Nodes/Locations, 2 RJ-45 Ethernet, 2 AOCs for Expandable Interfaces, 2RU with Redundant Power Supply.
H-CSI-XL-4E-R4A2U	ScaleAOn SD-WAN Hardware, CloudStation Network Insights, Large Networks with more than 2000 locations, 4x10G Copper, 4xAOC for Expandable Interfaces, 2RU with Redundant Power Supply.
H-CSI-XXL-4E-R4A2U	ScaleAOn SD-WAN Hardware, CloudStation Network Insights, Large Networks upto 10K locations, 4x10G Copper, 4xAOC for Expandable Interfaces, 2RU with Redundant Power Supply.
H-CSI-30000-2E-R2U	ScaleAOn SD-WAN Hardware, CloudStation Network Insights, upto 30000 Nodes/Locations, 2 RJ-45 Ethernet, 8 AOCs for Expandable Interfaces, 2RU with Redundant Power Supply.

* All ScaleAOn SD-WAN Hardware for CloudStation Network Insights are provided with Redundant Power Supply (N+N)



CloudStation Insights Software Features

 **Standard**

 **Advanced**

Expandable storage for monitoring data Requirement based expandable storage	✓	✓
Storage of all monitoring data Standard 30 days by default & Advanced can be upgraded upto 1 year	✓	✓
Raw statistics export for custom analysis Raw statistics for AI, machine learning, configuration backup\$.	✗	✓
Horizontally scalable Software build to scale beyond 1 Lac Nodes	✓	✓
Data Sync Across Insights All Insights between the DC/Cloud will have data sync up with each other within 5 minutes.	✓	✓
Report Format PDF reports, Csv reports and few other reporting enhancements.	✓	✓

\$Not supported with ScaleAOn Edge Lite

ScaleAOn[®] Edge

Internet Protection

SD-WAN is the most secure way of using Internet for private application access using encrypted tunnels. The SD-WAN Edge licenses ensure that for VPN or MPLS networks where you are terminating all your traffic in the data center or the cloud, you are using the Internet only as a bandwidth service, and not for regular Web or SaaS access.

Our add on Internet Protection licenses are for the precise use cases of SaaS or pure Web browsing access. In such cases, we recommend adding the right ScaleAOn Edge Internet Protect software licenses.



Web Protect



Internet Filtering - White List, Black List

Millions of Internet URLs are stored for real time search and recognition of web site access, using extensive categorisation from travel to news. Whitelisting, Blacklisting.



Application blocking, White Listing

Our extensible "Go" language based deep packet inspection engine can perform all access control functions at the application level, especially for the top hundreds of enterprise SaaS applications.



Stateful Firewall

Tracking every internet session using inbound and outbound network address parameters to keep unsolicited attack as threat traffic out of your network. Also, enabled with Antimalware*\$, Antivirus*\$, NGFW*\$



SIEM Interoperability

All the events derived from our edge network platform, are streamed in an interoperable manner with leading SIEM platforms.



Policy Based Internet Access Control

All the Intent driven policy framework is used to determine the access levels needed for an Internet facing or SaaS application,



Intrusion Prevention and Detection

Flexible signature packaging, and using accelerated software pattern matching to detect the entire family of Internet threats. which disguise themselves in normal data streams.

*Enabled through service chaining (VNF)

\$Not supported with Scale Aon Edge Lite



Web Protect



NGFW

Content Filtering and SSL Inspection to block harmful sites and inspect encrypted traffic for threats. Geo IP Filtering and Inbound DNS Load Balancing add location-based access control and improved traffic distribution.



User Identification

We enable User Identification through integrations with directory services and identity providers. This provides enhanced visibility into user activity, allowing for more precise policy enforcement and monitoring.



NGFW enhancements

NGFW enhancements include seamless integration of third-party Virtual Network Functions (VNFs) through centralized operations. This enables flexible deployment of advanced security services without additional hardware, simplifying management and scaling.



DNS Filtering & URL Filtering

DNS Filtering blocks access to malicious domains at the DNS level, preventing threats before they reach the network. URL Filtering adds granular control by allowing or blocking specific web content based on categories or policies.

Ordering Information

SKU	Description
C-CPG-1000-1Y	ScaleAOn SD-WAN Software, CloudPort Gateway, Virtual Gateway Instance for Public Cloud (AWS, GCP, Azure), upto 1000 Mbps, 1 Year (Virtual Instance provided by Customer).
C-CPG-1000-3Y	ScaleAOn SD-WAN Software, CloudPort Gateway, Virtual Gateway Instance for Public Cloud (AWS, GCP, Azure), upto 1000 Mbps, 3 Years (Virtual Instance provided by Customer).
C-CPG-1000-5Y	ScaleAOn SD-WAN Software, CloudPort Gateway, Virtual Gateway Instance for Public Cloud (AWS, GCP, Azure), upto 1000 Mbps, 5 Years (Virtual Instance provided by Customer).
C-CPG-500-1Y	ScaleAOn SD-WAN Software, CloudPort Gateway, Virtual Gateway Instance for Public Cloud (AWS, GCP, Azure), upto 500 Mbps, 1 Year (Virtual Instance provided by Customer).
C-CPG-500-3Y	ScaleAOn SD-WAN Software, CloudPort Gateway, Virtual Gateway Instance for Public Cloud (AWS, GCP, Azure), upto 500 Mbps, 3 Years (Virtual Instance provided by Customer).
C-CPG-500-5Y	ScaleAOn SD-WAN Software, CloudPort Gateway, Virtual Gateway Instance for Public Cloud (AWS, GCP, Azure), upto 500 Mbps, 5 Years (Virtual Instance provided by Customer).
C-CS-100-1Y	ScaleAOn SD-WAN Software, CloudStation Network Controller, Virtual Instance for Public Cloud (AWS, GCP, Azure) upto 100 Locations, 1 Year (Virtual Instance provided by Customer).
C-CS-100-3Y	ScaleAOn SD-WAN Software, CloudStation Network Controller, Virtual Instance for Public Cloud (AWS, GCP, Azure) upto 100 Locations, 3 Years (Virtual Instance provided by Customer).
C-CS-100-5Y	ScaleAOn SD-WAN Software, CloudStation Network Controller, Virtual Instance for Public Cloud (AWS, GCP, Azure) upto 100 Locations, 5 Years (Virtual Instance provided by Customer).
C-CS-1000-1Y	ScaleAOn SD-WAN Software, CloudStation Network Controller, Virtual Instance for Public Cloud (AWS, GCP, Azure) upto 1000 Locations, 1 Year (Virtual Instance provided by Customer).
C-CS-1000-3Y	ScaleAOn SD-WAN Software, CloudStation Network Controller, Virtual Instance for Public Cloud (AWS, GCP, Azure) upto 1000 Locations, 3 Years (Virtual Instance provided by Customer)..
C-CS-1000-5Y	ScaleAOn SD-WAN Software, CloudStation Network Controller, Virtual Instance for Public Cloud (AWS, GCP, Azure) upto 1000 Locations, 5 Years (Virtual Instance provided by Customer).
C-CSI-100-1Y	ScaleAOn SD-WAN Software, CloudStation Insights, Virtual Instance in the Public Cloud (AWS, GCP, Azure), upto 100 Locations, 1 Year (Virtual Instance provided by Customer).
C-CSI-100-3Y	ScaleAOn SD-WAN Software, CloudStation Insights, Virtual Instance in the Public Cloud (AWS, GCP, Azure), upto 100 Locations, 3 Years (Virtual Instance provided by Customer).
C-CSI-100-5Y	ScaleAOn SD-WAN Software, CloudStation Insights, Virtual Instance in the Public Cloud (AWS, GCP, Azure), upto 100 Locations, 5 Years (Virtual Instance provided by Customer).
C-CSI-1000-1Y	ScaleAOn SD-WAN Software, CloudStation Insights, Virtual Instance in the Public Cloud (AWS, GCP, Azure), upto 1000 Locations, 1 Year (Virtual Instance provided by Customer).
C-CSI-1000-3Y	ScaleAOn SD-WAN Software, CloudStation Insights, Virtual Instance in the Public Cloud (AWS, GCP, Azure), upto 1000 Locations, 3 Years (Virtual Instance provided by Customer).
C-CSI-1000-5Y	ScaleAOn SD-WAN Software, CloudStation Insights, Virtual Instance in the Public Cloud (AWS, GCP, Azure), upto 1000 Locations, 5 Years (Virtual Instance provided by Customer).
H-CP-LFL	ScaleAOn SD-WAN Hardware, CloudPort Edge, Large Format Locations, 6 RJ-45 Ethernet, 2 USB, AC power, 1U Base Model.
H-CP-MFL	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations, 4-port RJ-45, 2USB, 12V DC Base Model.
H-CP-MFL-6P	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations, 6-port RJ-45, 2USB, 12V DC base model

H-CP-SFL	ScaleAOn SD-WAN Hardware, CloudPort Edge, Small Format Locations, 4-port RJ-45, 2USB, 12V DC Base Model.
H-CP-MFL-S	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations, E1 V.35 Serial 12V DC Base model.
H-CP-XFL-6E	ScaleAOn SD-WAN Hardware, CloudPort Edge, Extra Large Format Locations, 6 RJ-45 Ethernet Ports.
H-CP-XFL-6E-R1A	ScaleAOn SD-WAN Hardware, CloudPort Edge, Extra Large Format Locations, 6 RJ-45 Ethernet, One AOC for additional Ports (to be Ordered from FRU List) with Redundant Power Supply.
H-CP-XXFL	ScaleAOn SD-WAN Hardware, CloudPort Edge, Extra Large Format Locations, with minimum 2 expansion slots Redundant Power Supply,
H-CP-MFL-W405	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports
H-CP-MFL-W406	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports
H-CP-MFL-W445	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Dual-4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports
H-CP-MFL-W446	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Dual-4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports
H-CP-MFL-W505	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Single 5G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports
H-CP-MFL-W506	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Single 5G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports
H-CP-MFL-W555	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Dual-5G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports
H-CP-MFL-W556	ScaleAOn SD-WAN Hardware, CloudPort Edge, Medium Format Locations base model with Dual-5G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports
H-CPG-500-6E-R	ScaleAOn SD-WAN Hardware, CloudPort Gateway, upto 500Mbps, 6 RJ-45 Ethernet, 1RU with Redundant Power Supply.
H-CPG-1000-2E-R2A	ScaleAOn SD-WAN Hardware, CloudPort Gateway, upto 1Gbps, 2 RJ-45 Ethernet Ports, Upto 2 Expandable Interfaces 1RU with Redundant Power Supply.,
H-CPG-1000-6E-R	ScaleAOn SD-WAN Hardware, CloudPort Gateway, upto 1Gbps, 2 RJ-45 on board Ethernet port, default AOC with 4 Ethernet ports is provided along with Hardware(Optional Fiber based AOC), 1RU with Redundant Power Supply.
H-CPG-10000-6E2F-R1A	ScaleAOn SD-WAN Hardware, CloudPort Gateway, 4x1G, 2x10G Copper, 2x10G Fiber. 1RU with Redundant Power Supply.
H-CPG-10000-4E-R4A2U	ScaleAOn SD-WAN Hardware, CloudPort Gateway, upto 10Gbps in a Cluster, 4x10G Copper, 4xAOC for Expandable Interfaces, 2RU with Redundant Power Supply.
H-CPG-10000-R5A2U	ScaleAOn SD-WAN Hardware, CloudPort Gateway, upto 25Gbps, 5xAOC for Expandable Interfaces, 2RU with Redundant Power Supply
H-CPG-40000	ScaleAOn SD-WAN Hardware, CloudPort Gateway, upto 40Gbps, 2RU with Redundant Power Supply, with minimum 5 expansion slots
H-CPG-50000	ScaleAOn SD-WAN Hardware, CloudPort Gateway, upto 50Gbps, 2RU with Redundant Power Supply, with minimum 5 expansion slots
H-CS-100-2E-R	ScaleAOn SD-WAN Hardware, CloudStation Network Controller, upto 100 Nodes/Locations, 2 RJ-45 Ethernet, Expandable Interfaces, 1RU with Redundant Power Supply.
H-CS-1000-2E-R	ScaleAOn SD-WAN Hardware, CloudStation Network Controller, upto 1000 Nodes/Locations, 2 RJ-45 Ethernet, 1 AOC for Expandable Interfaces, 1RU with Redundant Power Supply.
H-CS-2000-2E-R	ScaleAOn SD-WAN Hardware, CloudStation Network Controller, upto 2000 Nodes/Locations, 2 RJ-45 Ethernet, 1 AOC for Expandable Interfaces, 1RU with Redundant Power Supply.
H-CS-30000-2E-R	Hardware, CloudStation Network Controller, upto 30000 Nodes/Locations, 2 RJ-45 Ethernet, 8 AOC for Expandable Interfaces, Redundant Power Supply. 1RU
H-CS-XL-4E-R4A2U	ScaleAOn SD-WAN Hardware, CloudStation Network Controller, Large Networks with more than 2000 locations, 4x10G Copper, 4xAOC for Expandable Interfaces, 2RU with Redundant Power Supply.
H-CS-XXL-4E-R4A2U	ScaleAOn SD-WAN Hardware, CloudStation Network Controller, Large Networks upto 10K locations, 4x10G Copper, 4xAOC for Expandable Interfaces, 2RU with Redundant Power Supply.

H-CSI-100-2E-R2U	ScaleAOn SD-WAN Hardware, CloudStation Network Insights, upto 100 Nodes/locations, 2 RJ-45 Ethernet, Expandable Interfaces, 2RU with Redundant Power Supply.
H-CSI-1000-2E-R2U	ScaleAOn SD-WAN Hardware, CloudStation Network Insights, upto 1000 Nodes/locations, 2 RJ-45 Ethernet, 2 AOCs for Expandable Interfaces, 2RU with Redundant Power Supply.
H-CSI-2000-2E-R2U	ScaleAOn SD-WAN Hardware, CloudStation Network Insights, upto 2000 Nodes/locations, 2 RJ-45 Ethernet, 2 AOCs for Expandable Interfaces, 2RU with Redundant Power Supply
H-CSI-30000-2E-R2U	ScaleAOn SD-WAN Hardware, CloudStation Network Insights Cluster, upto 30000 Nodes/locations, 2 RJ-45 Ethernet, 8 AOCs for Expandable Interfaces, Redundant Power Supply. 2RU
H-CSI-XL-4E-R4A2U	ScaleAOn SD-WAN Hardware, CloudStation Network Insights, Large Networks with more than 2000 locations, 4x10G Copper, 4xAOC for Expandable Interfaces, 2RU with Redundant Power Supply.
H-CSI-XXL-4E-R4A2U	ScaleAOn SD-WAN Hardware, CloudStation Insights, Large Networks upto 10K locations, 4x10G Copper, 4xAOC for Expandable Interfaces, 2RU with Redundant Power Supply.
SS-CPE-IWP-1Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Internet Protection, Web Protect, 24x7 support, 1 Year.
SS-CPE-IWP-3Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Internet Protection, Web Protect, 24x7 support, 3 Years.
SS-CPE-IWP-5Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Internet Protection, Web Protect. 24x7 support, 5 Years.
SS-CPE-L-1Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Lite Edition, 24x7 support, 1 Year.
SS-CPE-L-3Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Lite Edition, 24x7 support, 3 Years.
SS-CPE-L-5Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Lite Edition, 24x7 support, 5 Years.
SS-CPE-M-1Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Micro Edition, 24x7 support, 1 Year.
SS-CPE-M-3Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Micro Edition, 24x7 support, 3 Years.
SS-CPE-M-5Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Micro Edition, 24x7 support, 5 Years.
SS-CPE-SDE-1Y	ScaleAOn SD-WAN Software License, CloudPort, Software Defined Edge Software, 24x7 support, 1 Year.
SS-CPE-SDE-3Y	ScaleAOn SD-WAN Software License, CloudPort, Software Defined Edge Software, 24x7 support. 3 Years.
SS-CPE-SDE-5Y	ScaleAOn SD-WAN Software License, CloudPort, Software Defined Edge Software, 24x7 support, 5 Years.
SS-CPE-SDE-P	ScaleAOn SD-WAN Software License, Software Defined Edge Software, Perpetual license.
SS-CPE-SDE-M-P	ScaleAOn SD-WAN Software License, Software Defined Edge Software, Mobile broadband, Perpetual license
SS-CPE-D-1Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Dynamo Edition, 24x7 support, 1 Year.
SS-CPE-D-3Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Dynamo Edition, 24x7 support, 3 Years.
SS-CPE-D-5Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Dynamo Edition, 24x7 support, 5 Years.
SS-CPE-T-1Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Turbo Edition, 24x7 support, 1 Year.
SS-CPE-T-3Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Turbo Edition, 24x7 support, 3 Years.

SS-CPE-T-5Y	ScaleAOn SD-WAN Software License, CloudPort, Edge Turbo Edition, 24x7 support, 5 Years.
SS-CPG-A-1Y	ScaleAOn SD-WAN Software License, CloudPort Gateway, Advanced Edition, 24x7 support, 1 Year.
SS-CPG-A-3Y	ScaleAOn SD-WAN Software License, CloudPort Gateway, Advanced Edition, 24x7 support, 3 Years.
SS-CPG-A-5Y	ScaleAOn SD-WAN Software License, CloudPort Gateway, Advanced Edition, 24x7 support, 5 Years.
SS-CPG-S-P	ScaleAOn SD-WAN Software License, CloudPort Gateway, Advanced Edition, Perpetual License.
SS-CPG-S-1Y	ScaleAOn SD-WAN Software License, CloudPort Gateway, Standard Edition, 24x7 support, 1 Year.
SS-CPG-S-3Y	ScaleAOn SD-WAN Software License, CloudPort Gateway, Standard Edition, 24x7 support, 3 Years.
SS-CPG-S-5Y	ScaleAOn SD-WAN Software License, CloudPort Gateway, Standard Edition, 24x7 support, 5 Years.
SS-CS-A-1Y	ScaleAOn SD-WAN Software License, CloudStation Controller, Advanced Edition, 24x7 support, 1 Year.
SS-CS-A-3Y	ScaleAOn SD-WAN Software License, CloudStation Controller, Advanced Edition, 24x7 support, 3 Years.
SS-CS-A-5Y	ScaleAOn SD-WAN Software License, CloudStation Controller, Advanced Edition, 24x7 support, 5 Years.
SS-CS-A-P	ScaleAOn SD-WAN Software License, CloudStation Controller, Advanced Edition, Perpetual License.
SS-CS-S-1Y	ScaleAOn SD-WAN Software License, CloudStation Controller, Standard Edition, 24x7 support, 1 Year.
SS-CS-S-3Y	ScaleAOn SD-WAN Software License, CloudStation Controller, Standard Edition, 24x7 support, 3 Years.
SS-CS-S-5Y	ScaleAOn SD-WAN Software License, CloudStation Controller, Standard Edition, 24x7 support, 5 Years.
SS-CS-S-P	ScaleAOn SD-WAN Software License, CloudStation Controller, Standard Edition, Perpetual License.
SS-CSI-A-1Y	ScaleAOn SD-WAN Software License, CloudStation Insights, Advanced Edition, 24x7 support, 1 Year.
SS-CSI-A-3Y	ScaleAOn SD-WAN Software License, CloudStation Insights, Advanced Edition, 24x7 support, 3 Years.
SS-CSI-A-5Y	ScaleAOn SD-WAN Software License, CloudStation Insights, Advanced Edition, 24x7 support, 5 Years.
SS-CSI-A-P	ScaleAOn SD-WAN Software License, CloudStation Insights, Advanced Edition, Perpetual License.
SS-CSI-S-1Y	ScaleAOn SD-WAN Software License, CloudStation Insights, Standard Edition, 24x7 support, 1 Year.
SS-CSI-S-3Y	ScaleAOn SD-WAN Software License, CloudStation Insights, Standard Edition, 24x7 support, 3 Years.
SS-CSI-S-5Y	ScaleAOn SD-WAN Software License, CloudStation Insights, Standard Edition, 24x7 support, 5 Years.
SS-CSI-S-P	ScaleAOn SD-WAN Software License, CloudStation Insights, Standard Edition, Perpetual License.
V-CPG-1000-1Y	ScaleAOn SD-WAN Software License, Virtual Gateway, upto 1000 Mbps encrypted throughput, 1 Year (Virtual Machine to be provided by the Customer).

V-CPG-1000-3Y	ScaleAOn SD-WAN Software License, Virtual Gateway, upto 1000 Mbps encrypted throughput, 3 Years (Virtual Machine to be provided by the Customer).
V-CPG-1000-5Y	ScaleAOn SD-WAN Software License, Virtual Gateway, upto 1000 Mbps encrypted throughput, 5 Years (Virtual Machine to be provided by the Customer).
V-CPG-1000-5Y	ScaleAOn SD-WAN Software License, Virtual Gateway, upto 1000 Mbps encrypted throughput, 5 Years (Virtual Machine to be provided by the Customer).
V-CPG-500-1Y	ScaleAOn SD-WAN Software License, Virtual Gateway, upto 500 Mbps encrypted throughput, 1 Year (Virtual Machine to be provided by the Customer).
V-CPG-500-3Y	ScaleAOn SD-WAN Software License, Virtual Gateway, upto 500 Mbps encrypted throughput, 3 Years (Virtual Machine to be provided by the Customer).
V-CPG-500-5Y	ScaleAOn SD-WAN Software License, Virtual Gateway, upto 500 Mbps encrypted throughput, 5 Years (Virtual Machine to be provided by the Customer).
V-CS-100-1Y	ScaleAOn SD-WAN Software License, CloudStation Network Controller (Virtual Instance), upto 100 Locations, 1Year (Virtual Machine to be provided by the Customer).
V-CS-100-3Y	ScaleAOn SD-WAN Software License, CloudStation Network Controller (Virtual Instance), upto 100 Locations, 3Years (Virtual Machine to be provided by the Customer).
V-CS-100-5Y	ScaleAOn SD-WAN Software License, CloudStation Network Controller (Virtual Instance), upto 100 Locations, 5Years (Virtual Machine to be provided by the Customer).
V-CS-1000-1Y	ScaleAOn SD-WAN Software License, CloudStation Network Controller (Virtual Instance), upto 1000 Locations, 1Year (Virtual Machine to be provided by the Customer).
V-CS-1000-3Y	ScaleAOn SD-WAN Software License, CloudStation Network Controller (Virtual Instance), upto 1000 Locations, 3Years (Virtual Machine to be provided by the Customer).
V-CS-1000-5Y	ScaleAOn SD-WAN Software License, CloudStation Network Controller (Virtual Instance), upto 1000 Locations, 5Years (Virtual Machine to be provided by the Customer).
V-CSI-100-1Y	ScaleAOn SD-WAN Software License, CloudStation Insights (Virtual Instance), upto 100 Locations, 1 Year (Virtual Machine to be provided by the Customer).
V-CSI-100-3Y	ScaleAOn SD-WAN Software License, CloudStation Insights (Virtual Instance), upto 100 Locations, 3 Years (Virtual Machine to be provided by the Customer).
V-CSI-100-5Y	ScaleAOn SD-WAN Software License, CloudStation Insights (Virtual Instance), upto 100 Locations, 5 Years (Virtual Machine to be provided by the Customer).
V-CSI-1000-1Y	ScaleAOn SD-WAN Software License, CloudStation Insights (Virtual Instance), upto 1000 Locations, 1 Year (Virtual Machine to be provided by the Customer).
V-CSI-1000-3Y	ScaleAOn SD-WAN Software License, CloudStation Insights (Virtual Instance), upto 1000 Locations, 3 Years (Virtual Machine to be provided by the Customer).
V-CSI-1000-5Y	ScaleAOn SD-WAN Software License, CloudStation Insights (Virtual Instance), upto 1000 Locations, 5 Years (Virtual Machine to be provided by the Customer).
SPT-HCP-LF-1Y	Hardware CloudPort Large Format Locations, Next Business Day shipment, Annual Renewal.
SPT-HCP-LF-3Y	Hardware CloudPort Large Format Locations, Next Business Day shipment, 3 Years.
SPT-HCP-LF-5Y	Hardware CloudPort Large Format Locations, Next Business Day shipment, 5 Years.
SPT-HCP-MF-1Y	Hardware CloudPort Medium Format Locations, Next Business Day shipment, Annual Renewal.
SPT-HCP-MF-3Y	Hardware CloudPort Medium Format Locations, Next Business Day shipment, 3 Years.
SPT-HCP-MF-5Y	Hardware CloudPort Medium Format Locations, Next Business Day shipment, 5 Years.
SPT-HCP-MF-6P-1Y	Hardware CloudPort Medium Format Locations with 6 ports, Next Business Day shipment, Annual Renewal.

SPT-HCP-MF-6P-3Y	Hardware CloudPort Medium Format Locations with 6 ports, Next Business Day shipment, 3 Years.
SPT-HCP-MF-6P-5Y	Hardware CloudPort Medium Format Locations with 6 Copper Ports, Next Business Day shipment, 5 Years
SPT-HCP-XF-6E-1Y	Hardware CloudPort Xtra Format Locations, Next Business Day shipment, Annual Renewal.
SPT-HCP-XF-6E-3Y	Hardware CloudPort Xtra Format Locations, Next Business Day shipment, 3 Years.
SPT-HCP-XXF-1Y	Hardware CloudPort Xtra Format Locations with RPS, Next Business Day shipment, Annual Renewal.
SPT-HCP-XXF-3Y	Hardware CloudPort Xtra Format Locations with RPS, Next Business Day shipment, 3 Years.
SPT-HCP-XXF-5Y	Hardware CloudPort Xtra Format Locations with RPS, Next Business Day shipment, 5 Years.
SPT-HCP-XF-6E-5Y	Hardware CloudPort Xtra Format Locations, Next Business Day shipment, 5 Years.
SPT-HCP-XF-6E-R1A-1Y	Hardware CloudPort Xtra Format Locations with RPS, Next Business Day shipment, Annual Renewal.
SPT-HCP-XF-6E-R1A-3Y	Hardware Cloud Port Xtra Format Locations with RPS, Next Business Day shipment, 3 Years.
SPT-HCP-XF-6E-R1A-5Y	Hardware Cloud Port Xtra Format Locations with RPS, Next Business Day shipment, 5 Years.
SPT-HCPG-1000-2E-R2A-1Y	Hardware Cloud Port Gateway 1000, Next Business Day shipment, Annual Renewal,
SPT-HCPG-1000-2E-R2A-3Y	Hardware Cloud Port Gateway 1000, Next Business Day shipment, 3 Years.
SPT-HCPG-1000-2E-R2A-5Y	Hardware Cloud Port Gateway 1000, Next Business Day shipment, 5 Years.
SPT-HCPG-1000-6E-R-1Y	Hardware Cloud Port Gateway 1000, Next Business Day shipment, Annual Renewal.
SPT-HCPG-1000-6E-R-3Y	Hardware Cloud Port Gateway 1000, Next Business Day shipment, 3 Years.
SPT-HCPG-1000-6E-R-5Y	Hardware Cloud Port Gateway 1000, Next Business Day shipment, 5 Years.
SPT-HCPG-10000-6E2F-R1A-1Y	Hardware CloudPort Gateway 10000, Next Business Day shipment, Annual Renewal.
SPT-HCPG-10000-6E2F-R1A-3Y	Hardware Cloud Port Gateway 10000, Next Business Day shipment, 3 Years
SPT-HCPG-10000-6E2F-R1A-5Y	Hardware CloudPort Gateway 10000, Next Business Day shipment, 5 Years
SPT-HCPG-10000-R5A2U-1Y	Hardware CloudPort Gateway 10000, Next Business Day shipment, 1 Year.
SPT-HCPG-10000-R5A2U-3Y	Hardware CloudPort Gateway 10000, Next Business Day shipment, 3 Years.
SPT-HCPG-10000-R5A2U-5Y	Hardware CloudPort Gateway 10000, Next Business Day shipment, 5 Years.
SPT-HCPG-50000-1Y	Hardware Cloud Port Gateway 50000, Next Business Day shipment, Annual Renewal.

SPT-HCPG-50000-3Y	Hardware Cloud Port Gateway 50000, Next Business Day shipment, 3 Years.
SPT-HCPG-50000-5Y	Hardware Cloud Port Gateway 50000, Next Business Day shipment, 5 Years.
SPT-HCPG-500-6E-R-1Y	Hardware CloudPort Gateway 500, Next Business Day shipment, Annual Renewal.
SPT-HCPG-500-6E-R-3Y	Hardware Cloud Port Gateway 500, Next Business Day shipment, 3 Years.
SPT-HCPG-500-6E-R-5Y	Hardware CloudPort Gateway 500, Next Business Day shipment, 5 Years.
SPT-HCS-100-2E-R-1Y	Hardware CloudStation, Next Business Day shipment, Annual renewal.
SPT-HCS-100-2E-R-3Y	Hardware CloudStation, Next Business Day shipment, 3 Years.
SPT-HCS-100-2E-R-5Y	Hardware CloudStation, Next Business Day shipment, 5 Years,
SPT-HCS-1000-2E-R-1Y	Hardware CloudStation, Next Business Day shipment, Annual Renewal,
SPT-HCS-1000-2E-R-3Y	Hardware CloudStation, Next Business Day shipment, 3 Years.
SPT-HCS-1000-2E-R-5Y	Hardware CloudStation, Next Business Day shipment, 5 Years.
SPT-HCS-30000-2E-R-1Y	Hardware CloudStation, Next Business Day shipment, 1 Years
SPT-HCS-30000-2E-R-3Y	Hardware CloudStation, Next Business Day shipment, 3 Years
SPT-HCS-30000-2E-R-5Y	Hardware CloudStation, Next Business Day shipment, 5 Years
SPT-HCS-XL-2E-R-1Y	Hardware CloudStation Controller, Next Business Day shipment, Annual renewal
SPT-HCS-XL-2E-R-3Y	Hardware CloudStation Controller, Next Business Day shipment. 3 Years.
SPT-HCS-XL-2E-R-5Y	Hardware CloudStation Controller, Next Business Day shipment, 5 Years.
SPT-HCSI-100-2E-R2U-1Y	Hardware CloudStation Insights, Next Business Day shipment, Annual Renewal.
SPT-HCSI-100-2E-R2U-3Y	Hardware CloudStation Controller, Next Business Day shipment, 3 Years.
SPT-HCSI-100-2E-R2U-5Y	Hardware CloudStation Insights, Next Business Day shipment, 5 Years.
SPT-HCS-XXL-4E-R4A2U-1Y	Hardware CloudStation Controller, Next Business Day shipment, Annual Renewal.
SPT-HCS-XXL-4E-R4A2U-3Y	Hardware CloudStation Controller, Next Business Day shipment, 3 Years.
SPT-HCS-XXL-4E-R4A2U-5Y	Hardware CloudStation Insights, Next Business Day shipment, 5 Years.
SPT-HCSI-1000-2E-R2U-1Y	Hardware CloudStation Insights, Next Business Day shipment, Annual Renewal.
SPT-HCSI-1000-2E-R2U-3Y	Hardware CloudStation Insights, Next Business Day shipment, 3 Years.

SPT-HCSI-1000-2E-R2U-5Y	Hardware CloudStation Insights, Next Business Day shipment, 5 Years.
SPT-HCSI-XL-2E-R2U-1Y	Hardware CloudStation Insights, Next Business Day shipment, Annual renewal.
SPT-HCSI-XL-2E-R2U-3Y	Hardware CloudStation Insights, Next Business Day shipment, 3 Years.
SPT-HCSI-XL-2E-R2U-5Y	Hardware CloudStation Insights, Next Business Day shipment, 5 Years.
SPT-HCSI-XXL-4E-R4A2U-1Y	Hardware CloudStation Insights, Next Business Day shipment, Annual renewal
SPT-HCSI-XXL-4E-R4A2U-3Y	Hardware CloudStation Insights, Next Business Day shipment, 3 Years
SPT-HCSI-XXL-4E-R4A2U-5Y	Hardware CloudStation Insights, Next Business Day shipment, 5 Years
SPT-HCSI-1000-2E-R2U-1Y	Hardware CloudStation Insights, Next Business Day shipment, Annual Renewal.
SPT-HCSI-1000-2E-R2U-3Y	Hardware CloudStation Insights, Next Business Day shipment, 3 Years.
SPT-HCSI-1000-2E-R2U-5Y	Hardware CloudStation Insights, Next Business Day shipment, 5 Years.
SPT-HCS-1000-2E-R-5Y	Hardware CloudStation, Next Business Day shipment, 5 Years.
SPT-HCS-XL-2E-R-1Y	Hardware CloudStation Controller, Next Business Day shipment, Annual renewal
SPT-HCS-XL-2E-R-3Y	Hardware CloudStation Controller, Next Business Day shipment. 3 Years.
SPT-HCS-XL-2E-R-5Y	Hardware CloudStation Controller, Next Business Day shipment, 5 Years.
SPT-HCSI-100-2E-R2U-1Y	Hardware CloudStation Insights, Next Business Day shipment, Annual Renewal.
SPT-HCSI-100-2E-R2U-3Y	Hardware CloudStation Controller, Next Business Day shipment, 3 Years.
SPT-HCSI-100-2E-R2U-5Y	Hardware CloudStation Insights, Next Business Day shipment, 5 Years.
SPT-HCS-XXL-4E-R4A2U-1Y	Hardware CloudStation Controller, Next Business Day shipment, Annual Renewal.
SPT-HCS-XXL-4E-R4A2U-3Y	Hardware CloudStation Controller, Next Business Day shipment, 3 Years.
SPT-HCS-XXL-4E-R4A2U-5Y	Hardware CloudStation Insights, Next Business Day shipment, 5 Years.
SPT-HCSI-1000-2E-R2U-1Y	Hardware CloudStation Insights, Next Business Day shipment, Annual Renewal.
SPT-HCSI-1000-2E-R2U-3Y	Hardware CloudStation Insights, Next Business Day shipment, 3 Years.
SPT-HCSI-1000-2E-R2U-5Y	Hardware CloudStation Insights, Next Business Day shipment, 5 Years.
SPT-HCSI-30000-2E-R2U-1Y	Hardware CloudStation Insights, Next Business Day shipment, 1 Years
SPT-HCSI-30000-2E-R2U-3Y	Hardware CloudStation Insights, Next Business Day shipment, 3 Years

SPT-HCSI-30000-2E-R2U-5Y	Hardware CloudStation Insights, Next Business Day shipment, 5 Years
SPT-HCSI-XL-2E-R2U-1Y	Hardware CloudStation Insights, Next Business Day shipment, Annual renewal.
SPT-HCSI-XL-2E-R2U-3Y	Hardware CloudStation Insights, Next Business Day shipment, 3 Years.
SPT-HCSI-XL-2E-R2U-5Y	Hardware CloudStation Insights, Next Business Day shipment, 5 Years.
SPT-HCSI-XXL-4E-R4A2U-1Y	Hardware CloudStation Insights, Next Business Day shipment, Annual renewal
SPT-HCSI-XXL-4E-R4A2U-3Y	Hardware CloudStation Insights, Next Business Day shipment, 3 Years
SPT-HCSI-XXL-4E-R4A2U-5Y	Hardware CloudStation Insights, Next Business Day shipment, 5 Years
SS-CPE-D-X-1Y	ScaleAOn Software License, CloudPort, Edge 10G Dynamo X Edition. 24x7 support, 1 Year.
SS-CPE-D-X-3Y	ScaleAOn Software License, CloudPort, Edge 10G Dynamo X Edition. 24x7 support, 3 Years.
SS-CPE-D-X-5Y	ScaleAOn Software License, CloudPort, Edge 10G Dynamo X Edition. 24x7 support, 5 Years.
SPT-HCP-MF-W405-1Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 1 year
SPT-HCP-MF-W406-1Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 1 year
SPT-HCP-MF-W445-1Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Dual-4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 1 year
SPT-HCP-MF-W446-1Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Dual-4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 1 year
SPT-HCP-MF-W505-1Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 5G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 1 year
SPT-HCP-MF-W506-1Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 5G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 1 year
SPT-HCP-MF-W555-1Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Dual-5G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 1 year
SPT-HCP-MF-W556-1Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Dual-5G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 1 year
SPT-HCP-MF-W405-3Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 3 years
SPT-HCP-MF-W406-3Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 3 years
SPT-HCP-MF-W445-3Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 3 years
SPT-HCP-MF-W446-3Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 3 years
SPT-HCP-MF-W505-3Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 3 years

SPT-HCP-MF-W506-3Y	ScaleAOn SD-WAN Hardware Support, , CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports,3 years
SPT-HCP-MF-W555-3Y	ScaleAOn SD-WAN Hardware Support, , CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports,3 years
SPT-HCP-MF-W556-3Y	ScaleAOn SD-WAN Hardware Support, , CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi6, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports,3 years
SPT-HCP-MF-W405-5Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 5 years
SPT-HCP-MF-W406-5Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 5 years
SPT-HCP-MF-W445-5Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 5 years
SPT-HCP-MF-W446-5Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 5 years
SPT-HCP-MF-W505-5Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 5 years
SPT-HCP-MF-W506-5Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 5 years
SPT-HCP-MF-W555-5Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 5 years
SPT-HCP-MF-W556-5Y	ScaleAOn SD-WAN Hardware Support, CloudPort Edge, Medium Format Locations base model with Single 4G, WiFi5, 4-port RJ-45, 12V DC with 4xCellular and 4xWiFi antenna ports, 5 years
SS-CPE-L-1Y	SS-CPE-L-1Y ScaleAOn SD-WAN Software License, CloudPort, Edge Lite Edition, 24x7 support, 1 Year
SS-CPE-L-3Y	SS-CPE-L-1Y ScaleAOn SD-WAN Software License, CloudPort, Edge Lite Edition, 24x7 support, 3 Years
SS-CPE-L-5Y	SS-CPE-L-1Y ScaleAOn SD-WAN Software License, CloudPort, Edge Lite Edition, 24x7 support,5 Years



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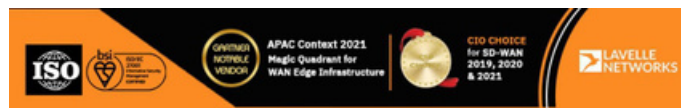
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