

# HPE Aruba Networking ClearPass Policy Manager



## Key features

- Role-based, unified network access enforcement across multi-vendor wireless, wired and VPN networks.
- Intuitive policy configuration templates and visibility troubleshooting tools.
- Supports multiple authentication/authorization sources (AD, LDAP, SQL).
- Self-service device onboarding with built-in certificate authority (CA) for BYOD.
- Guest access with extensive customization, branding and sponsor-based approvals.

HPE Aruba Networking's ClearPass Policy Manager, part of the HPE Aruba Networking 360 Secure Fabric, provides role- and device-based secure network access control for IoT, BYOD, corporate devices, as well as employees, contractors and guests across any multivendor wired, wireless and VPN infrastructure.

With a built-in context-based policy engine, RADIUS, TACACS+, non-RADIUS enforcement using OnConnect, device profiling, posture assessment, onboarding, and guest access options, ClearPass is unrivaled as a foundation for network security for organizations of any size.

For comprehensive integrated security coverage and response using firewalls, UEM and other existing solutions, ClearPass supports the HPE Aruba Networking 360 Security Exchange Program. This allows for automated threat detection and response workflows that integrate with third-party

security vendors and IT systems previously requiring manual IT intervention.

In addition, ClearPass supports secure self-service capabilities, making it easier for end users trying to access the network. Users can securely configure their own devices for enterprise use or Internet access based on admin policy controls.

The result is detailed visibility of all wired and wireless devices connecting to the enterprise, increased control through simplified and automated authentication or authorization of devices, and faster, better incident analysis and response through the integration and orchestration with third-party security solutions. This is achieved with a comprehensive and scalable policy management platform that goes beyond traditional AAA solutions to deliver extensive enforcement capabilities for IT-owned and BYOD security requirements.

**Key features**

- Integration with key UEM solutions for in-depth device assessments
- Comprehensive integration with the HPE Aruba Networking 360 Security Exchange Program.
- Single sign-on (SSO) support works with Ping, Okta and other identity management tools to improve user experience to SAML 2.0-based applications.
- FIPS 140-2 and CC certified.

**The ClearPass difference**

ClearPass is the only policy platform that centrally enforces all aspects of enterprise-grade access security for any industry. Granular policy enforcement is based on a user's role, device type and role, authentication method, UEM attributes, device health, traffic patterns, location, and time-of-day.

Deployment scalability supports tens of thousands of devices and authentications which surpasses the capabilities offered by legacy AAA solutions. Options exist for small to large organizations, from centralized to distributed environments.

**Advanced policy management****Enforcement and visibility for wired and wireless**

With ClearPass, organizations can deploy wired or wireless using standards-based 802.1X enforcement for secure authentication. ClearPass also supports MAC address authentication for IoT and headless devices that may lack support for 802.1X. For wired environments where RADIUS based authentication cannot be deployed, OnConnect, offers an alternative using SNMP based enforcement.

ClearPass Device Insight provides next generation profiling capabilities to ClearPass Policy Manager through a cloud based machine learning algorithm that also leverage deep packet inspection support.

Authentication methods can be used to concurrently support a variety of use-cases. It also includes support for multi-factor authentication based on log-in times, posture checks, and other context such as new user, new device, and more.

Attributes from multiple identity stores such as Microsoft Active Directory, LDAP-compliant directory, ODBC-compliant SQL database, token servers and internal databases across domains can be used within a single policy for fine-grained control.

Contextual data from these profiled devices allows for IT to define what devices can access either the wired, VPN, or wireless network. Device profile changes are dynamically used to modify authorization privileges. For example, if a Windows laptop appears as a printer, ClearPass policies can automatically deny access.

**Secure device configuration of personal devices**

ClearPass Onboard provides automated provisioning of any Windows, macOS, iOS, Android, Chromebook, and Ubuntu devices via a user driven self-guided portal. Network details, security settings and unique device identity certificates are automatically configured on authorized devices. Cloud identity services like Microsoft Azure Active Directory, Google G Suite and Okta can also be leveraged as identity providers with Onboard for secure certificate enrollment.

**Device health checks**

ClearPass OnGuard delivers endpoint posture assessments over wireless, wired and VPN connections. OnGuard's health-check capabilities ensure endpoints meet security and compliance policies before they connect to the network. OnGuard offers a variety of flexible deployment options including agentless, disolvable agents and agent-based configuration.

**Customizable visitor management**

ClearPass Guest simplifies visitor workflow processes to enable employees, receptionists, and other non-IT staff to create temporary guest accounts for secure wireless and wired access. Highly customizable, mobile friendly portals provide easy-to-use login processes that include self-registration, sponsor approval, and bulk credential creation support any visitor needs – enterprise, retail, education, large public venue. Credentials can be delivered by SMS, email, printed badges, or input directly through cloud identity providers such as Facebook or Twitter.



Built in support for commercial oriented guest Wi-Fi hotspots with credit card billing and 3rd party advertising driven workflows make it simple to integrate into a wide variety of environments.

## HPE Aruba Networking 360 Security Exchange Program

### Integrate with security and workflow systems

Support for the HPE Aruba Networking 360 Security Exchange Program is an integrated component of ClearPass. Using features like REST-based APIs, RADIUS Accounting Proxy, and Syslog ingestion help facilitate workflows with UEM, SIEM, firewalls, help-desk systems and more. Context is shared between each component for end-to-end policy enforcement and visibility.

The ClearPass Ingress Event Engine provides 3rd party systems the means to share information in real-time using Syslog. This enables ClearPass to respond to changing threats for users and devices after they have authenticated to the network. By utilizing an open dictionary approach, anyone can write a parsing ruleset without the need for costly add-ons or locked in 3rd party ecosystems.

### Advanced reporting and alerting

ClearPass Insight provides advanced reporting capabilities via customizable reports. Information about authentication trends, profiled devices, guest data, on-boarded devices, and endpoint health can also be viewed in an easy to use dashboard. Insight also has support for granular alerts and a watchlist to monitor specific authentication failures.

## HPE Aruba Networking Central Netconductor

For networks managed by HPE Aruba Networking Central, Central NetConductor offers cloud-native security services that enable global policy management and network configuration with simple business-logic interface and workflows. Central NetConductor uses a distributed EVPN/

VXLAN network overlay to facilitate inline policy enforcement across large, globally dispersed networks .

Networks that use Central NetConductor for policy orchestration can choose either Cloud Auth or ClearPass for authentication and role assignment. To learn more, read the [Solution Overview](#).

## Specifications

### Appliances

ClearPass is available as hardware or as a virtual appliance. Virtual appliances are supported on VMware vSphere Hypervisor (ESXi), Microsoft Hyper-V, CentOS KVM, Amazon EC2 and Microsoft Azure.

- VMware ESXi up to 8.0
- Microsoft Hyper-V 2016/2019 R2/2019
- KVM on CentOS 7.7, Ubuntu 18.04, and Ubuntu 20.04
- Amazon AWS (EC2)
- Microsoft Azure

### Platform

- Deployment templates for any network type, identity store and endpoint
- 802.1X, MAC authentication and captive portal support
- ClearPass OnConnect for SNMP-based enforcement on wired switches
- Advanced reporting, analytics and troubleshooting tools
- Interactive policy simulation and monitor mode utilities
- Multiple device registration portals – Guest, HPE Aruba Networking AirGroup, BYOD, and un-managed devices
- Admin/operator access security via CAC and TLS certificates

### Framework and protocol support

- RADIUS, RADIUS Dynamic Authorization, TACACS+, web authentication, SAML v2.0
- RadSec (TLS encoded RADIUS)
- 802.1X-2010, 802.1X-2020



- TEAP (Tunneled EAP)
- EAP-FAST (EAP-MSCHAPv2, EAP-GTC, EAP-TLS)
- PEAP (EAP-MSCHAPv2, EAP-GTC, EAP-TLS, EAP-PEAP-Public, EAP-PWD)
- TTLS (EAP-MSCHAPv2, EAP-GTC, EAP-TLS, EAP-MD5, PAP, CHAP)
- EAP-TLS
- PAP, CHAP, MSCHAPv1, MSCHAPv2, EAP-MD5
- OAuth2
- WPA3
- Windows machine authentication
- SMB v2/v3
- Online Certificate Status Protocol (OCSP)
- SNMP generic MIB, SNMP private MIB
- Common Event Format (CEF), Log Event Extended Format (LEEF), and RFC5424

#### Supported identity stores

- Microsoft Active Directory
- RADIUS
- Any LDAP compliant directory
- MySQL, Microsoft SQL, PostGRES and Oracle 11g ODBC-compliant SQL server
- Token servers
- Built-in SQL store, static hosts list
- Kerberos
- Microsoft Azure Active Directory
- Google G Suite

#### RFC standards

2246, 2248, 2407, 2408, 2409, 2548, 2759, 2865, 2866, 2869, 2882, 3079, 3579, 3580, 3748, 3779, 4017, 4137, 4301, 4302, 4303, 4308, 4346, 4514, 4518, 4809, 4849, 4851, 4945, 5176, 5216, 5246, 5280, 5281, 5282, 5424, 5755, 5759, 6614, 6818, 6960, 7030, 7170, 7296, 7321, 7468, 7748, 7815, 8031, 8032, 8247, 8446, 8709, 8894, 8908

#### Internet drafts

Protected EAP Versions 0 and 1, Microsoft CHAP extensions, dynamic provisioning using EAP-FAST.

#### Profiling methods

- Active: Nmap, WMI, SSH, SNMP
- Passive: MAC OUI, DHCP, TCP, Netflow v5/v10, IPFIX, sFLOW, 'SPAN' Port, HTTP User-Agent, IF-MAP
- ClearPass Device Insight
- Integrated & 3rd Party: Onboard, OnGuard, ArubaOS, EMM/MDM, Cisco device sensor

#### IPv6 support

- RADIUS and RadSec
- TACACS+
- Clustering (intra-node communication)
- Web and CLI based management
- IPv6 addressed authentication & authorization servers
- IPv6 accounting proxy
- IPv6 addressed endpoint context servers
- Syslog, DNS, NTP, IPsec IPv6 targets
- IPv6 Virtual IP for high availability
- HTTP Proxy
- Ingress Event Engine Syslog sources
- Onboard, OnGuard

#### Certifications

- [FIPS 140-2 level 1 certificate 4473](#)
- Common Criteria NDCPPv2.2e
- [NIAP Common Criteria NDCPPv2.1+AUTHSVR 1.0 VID 11324](#)
- IPv6 Ready (including USGv6 r-1)



## Technical specifications

	C1000 Appliance (JZ508A)	C2020 Appliance (R1V83A)	C3010 Appliance (R1V82A)
Appliance specifications			
Hardware model	Unicom S-1200 R4	HPE DL360 Gen10	HPE DL360 Gen10
CPU	(1) Atom 2.4GHz C2758 with Eight Cores (8 Threads)	(1) Xeon 2.3 GHz Gold 5118 with 12 Cores (12 Threads)	(1) Xeon 2.3GHz Gold 5118 with Twelve Cores (24 Threads)
Memory	8 GB	16 GB	64 GB
Hard drive storage	(1) SATA (7.3K RPM) 1TB hard drive	(2) SATA (7.2K RPM) 1TB hard drives, RAID-1 controller	(6) SAS (10K RPM) 600GB Hot-Plug hard drives RAID-10 controller
Out of band management	N/A	HPE Integrated Light-Out (iLO) Advanced	HPE Integrated Lights-Out (iLO) Advanced
Network interfaces	4 x 1GbE	4 x 1GbE	4 x 1GbE
Serial port	Yes (RJ-45)	Yes (DB-9)	Yes (DB-9)
Performance and scale	Please refer to the ClearPass Scaling and Ordering Guide		
Minimum software version	ClearPass Policy Manager 6.6	ClearPass Policy Manager 6.11	ClearPass Policy Manager 6.7
Form factor			
Rackmount	Included	Included	Included
Dimensions (WxHxD)	17.2" x 1.7" x 11.3"	17.1 x 1.7 x 27.8"	17.1 x 1.7 x 27.8"
Weight (max config)	8.5 Lbs	Up to 36 Lbs	Up to 36 Lbs
Power			
Power supply	200 watts max	HPE 500W Flex Slot Platinum Hot Plug Power Supply	HPE 500W Flex Slot Platinum Hot Plug Power Supply
Power cord	C13 - NEMA 5-15P US/CA 110V 10Amp Power Cord	C13 - C14 WW 250V 10Amp Jumper Cord	C13 - C14 WW 250V 10Amp Jumper Cord
Power redundancy	N/A	Optional	Optional
AC input voltage	100/240 VAC auto-selecting		
AC input frequency	50/60 Hz auto-selecting		
Environmental			
Operating temperature	5° C to 35° C (41° F to 95° F)	10° to 35°C (50° to 95°F)	10° C to 35° C (50° F to 95° F)
Operating vibration	0.25 G at 5 Hz to 200 Hz for 15 minutes	Random vibration at 0.000075 G <sup>2</sup> /Hz, 10Hz to 300Hz, (0.15 G's nominal)	Random vibration at 0.000075 G <sup>2</sup> /Hz, 10Hz to 300Hz, (0.15 G's nominal)
Operating shock	1 shock pulse of 20 G for up to 2.5 ms	2 G's	2 G's
Operating altitude	-16 m to 3,048 m (-50 ft to 10,000 ft)	3,050 m (10,000 ft)	3,050 m (10,000 ft)



## Technical specifications

	N3000 Appliance (S3N66A)	N3001 Appliance (S3N65A)	N1000 Appliance (S3N67A)
Appliance specifications			
Hardware model	HPE DL325 Gen11	HPE DL325 Gen11	Advantech FWA-2012
CPU	AMD EPYC 9124 with 16 cores (32 threads)	AMD EPYC 9124 with 16 cores (32 threads)	Intel Atom C3758R with 8 cores (8 threads)
Memory	128 GB	128 GB	16 GB
Hard drive storage	(3) SSD (960GB SATA) RAID-5 controller	(3) SSD (960GB SATA) RAID-5 controller	(1) SSD (1TB) M.2
Out of band management	HPE Integrated Lights-Out (iLO) Advanced	HPE Integrated Lights-Out (iLO) Advanced	N/A
Network interfaces	4 x 1GbE	4 x 10/25 GbE SPF28	4 x 1GbE
Serial port	Yes (DB-9)	Yes (DB-9)	Yes (RJ-45)*
Performance and scale	Please refer to the ClearPass Scaling and Ordering Guide		
Minimum software version	ClearPass Policy Manager 6.11	ClearPass Policy Manager 6.11	ClearPass Policy Manager 6.11
Form factor			
Rackmount	Included	Included	Included (mounting ears)
Dimensions (WxHxD)	17.1 x 1.7 x 25.6	17.1 x 1.7 x 25.6	19 x 1.7 x 12.6
Weight (max config)	Up to 34.5 Lb	Up to 34.5 Lb	Up to 14.5 lb
Power			
Power supply	(2) HPE 1000W Flex Slot Titanium Hot Plug Power Supply	(2) HPE 1000W Flex Slot Titanium Hot Plug Power Supply	(1) 150W
Power cord	(2) C13 -C14 WW 250V 10A JumperCord	(2) C13 -C14 WW 250V 10A JumperCord	(1) C13 -C14 WW 250V 10A JumperCord
Power redundancy	Included	Included	N/A
AC input voltage	100/240 VAC auto-selecting		
AC input frequency	50/60 Hz auto-selecting		
Environmental			
Operating temperature	10° to 35°C (50° to 95° F)	10° to 35°C (50° to 95° F)	10° to 35°C (50° to 95° F)
Operating vibration	Random vibration at 0.000075 G/Hz, 10Hz to 300Hz (0.15 G's nominal)	Random vibration at 0.000075 G/Hz, 10Hz to 300Hz (0.15 G's nominal)	0.5 Grms, 5-500Hz, 1hr/axis
Operating shock	2 G's	2 G's	1.5 G's
Operating altitude	3,050 m (10,000 ft)	3,050 m (10,000 ft)	3,050 m (10,000 ft)

\* Note: The N1000 does not include integrated video, only serial interface is supported

\* Note: Transceivers not include

## Ordering guidance

Please refer to the [ClearPass Scaling and Ordering Guide](#) for detailed information on appropriate sizing and required licensing to deploy ClearPass. More information can be found on the HPE Aruba Networking support website in the [ClearPass documentation section](#).



## Ordering information

Part number	Description
<b>Hardware appliances</b>	
<b>JZ508A</b>	HPE Aruba Networking ClearPass C1000 S-1200 R4 HW-Based Appliance
<b>S3N65A</b>	HPE Aruba Networking ClearPass N3001 10G SFP+ Hardware Appliance
<b>S3N66A</b>	HPE Aruba Networking ClearPass N3000 1G Hardware Appliance
<b>S3N67A</b>	HPE Aruba Networking ClearPass N1000 1G Hardware Appliance
<b>R1V83A</b>	HPE Aruba Networking ClearPass C2020 DL360 Gen10 HW-Based Appliance
<b>R1V82A</b>	HPE Aruba Networking ClearPass C3010 DL360 Gen10 HW-Based Appliance
<b>Virtual appliances</b>	
<b>JZ399AAE</b>	HPE Aruba Networking ClearPass Cx000V VM-Based Appliance E-LTU
<b>Power supplies</b>	
<b>R1T38A</b>	HPE Aruba Networking DL360 Gen10 500W Spare Power Supply (for use with R1V82A and R1V83A)
<b>Accessories</b>	
<b>S3N61A</b>	HPE Aruba Networking ClearPass N3000x Warm Spare SSD
<b>S3N62A</b>	HPE Aruba Networking ClearPass N1000 Cold Spare SSD
<b>Warranty information</b>	
<b>Hardware warranty</b>	1 year parts*
<b>Software warranty</b>	90 days*
<b>Perpetual software license warranty</b>	90 days*
<b>Perpetual licenses</b>	
<b>JZ400AAE</b>	HPE Aruba Networking ClearPass Access License 100 Concurrent Endpoints E-LTU
<b>JZ401AAE</b>	HPE Aruba Networking ClearPass Access License 500 Concurrent Endpoints E-LTU
<b>JZ402AAE</b>	HPE Aruba Networking ClearPass Access License 1K Concurrent Endpoints E-LTU
<b>JZ403AAE</b>	HPE Aruba Networking ClearPass Access License 2500 Concurrent Endpoints E-LTU
<b>JZ404AAE</b>	HPE Aruba Networking ClearPass Access License 5K Concurrent Endpoints E-LTU
<b>JZ405AAE</b>	HPE Aruba Networking ClearPass Access License 10K Concurrent Endpoints E-LTU
<b>JZ406AAE</b>	HPE Aruba Networking ClearPass Access License 25K Concurrent Endpoints E-LTU
<b>JZ407AAE</b>	HPE Aruba Networking ClearPass Access License 50K Concurrent Endpoints E-LTU
<b>JZ408AAE</b>	HPE Aruba Networking ClearPass Access License 100K Concurrent Endpoints E-LTU
<b>R1U35AAE</b>	HPE Aruba Networking ClearPass Entry License 100 Concurrent Endpoints E-LTU
<b>R1U36AAE</b>	HPE Aruba Networking ClearPass Entry License 500 Concurrent Endpoints E-LTU
<b>R1U37AAE</b>	HPE Aruba Networking ClearPass Entry License 1K Concurrent Endpoints E-LTU
<b>R1U38AAE</b>	HPE Aruba Networking ClearPass Entry License 2500 Concurrent Endpoints E-LTU
<b>R1U39AAE</b>	HPE Aruba Networking ClearPass Entry License 5K Concurrent Endpoints E-LTU
<b>R1U40AAE</b>	HPE Aruba Networking ClearPass Entry License 10K Concurrent Endpoints E-LTU
<b>R1U41AAE</b>	HPE Aruba Networking ClearPass Entry License 25K Concurrent Endpoints E-LTU
<b>R1U42AAE</b>	HPE Aruba Networking ClearPass Entry License 50K Concurrent Endpoints E-LTU
<b>R1U43AAE</b>	HPE Aruba Networking ClearPass Entry License 100K Concurrent Endpoints E-LTU
<b>R1U44AAE</b>	HPE Aruba Networking ClearPass Access Upgrade License 100 Concurrent Endpoints E-LTU

\* Extended with support contract



## Ordering information

Part number	Description
<b>Perpetual licenses</b>	
<b>R1U45AAE</b>	HPE Aruba Networking ClearPass Access Upgrade License 500 Concurrent Endpoints E-LTU
<b>R1U46AAE</b>	HPE Aruba Networking ClearPass Access Upgrade License 1K Concurrent Endpoints E-LTU
<b>R1U47AAE</b>	HPE Aruba Networking ClearPass Access Upgrade License 2500 Concurrent Endpoints E-LTU
<b>R1U48AAE</b>	HPE Aruba Networking ClearPass Access Upgrade License 5K Concurrent Endpoints E-LTU
<b>R1U49AAE</b>	HPE Aruba Networking ClearPass Access Upgrade License 10K Concurrent Endpoints E-LTU
<b>R1U50AAE</b>	HPE Aruba Networking ClearPass Access Upgrade License 25K Concurrent Endpoints E-LTU
<b>R1U51AAE</b>	HPE Aruba Networking ClearPass Access Upgrade License 50K Concurrent Endpoints E-LTU
<b>R1U52AAE</b>	HPE Aruba Networking ClearPass Access Upgrade License 100K Concurrent Endpoints E-LTU
<b>Subscription licenses (1 year)</b>	
<b>JZ409AAE</b>	HPE Aruba Networking ClearPass Access License 100 Concurrent Endpoints 1-year Subscription E-STU
<b>JZ410AAE</b>	HPE Aruba Networking ClearPass Access License 500 Concurrent Endpoints 1-year Subscription E-STU
<b>JZ411AAE</b>	HPE Aruba Networking ClearPass Access License 1K Concurrent Endpoints 1-year Subscription E-STU
<b>JZ412AAE</b>	HPE Aruba Networking ClearPass Access License 2500 Concurrent Endpoints 1-year Subscription E-STU
<b>JZ413AAE</b>	HPE Aruba Networking ClearPass Access License 5K Concurrent Endpoints 1-year Subscription E-STU
<b>JZ414AAE</b>	HPE Aruba Networking ClearPass Access License 10K Concurrent Endpoints 1-year Subscription E-STU
<b>JZ415AAE</b>	HPE Aruba Networking ClearPass Access License 25K Concurrent Endpoints 1-year Subscription E-STU
<b>JZ416AAE</b>	HPE Aruba Networking ClearPass Access License 50K Concurrent Endpoints 1-year Subscription E-STU
<b>JZ417AAE</b>	HPE Aruba Networking ClearPass Access License 100K Concurrent Endpoints 1-year Subscription E-STU
<b>Subscription licenses (3 year)</b>	
<b>JZ418AAE</b>	HPE Aruba Networking ClearPass Access License 100 Concurrent Endpoints 3-year Subscription E-STU
<b>JZ419AAE</b>	HPE Aruba Networking ClearPass Access License 500 Concurrent Endpoints 3-year Subscription E-STU
<b>JZ420AAE</b>	HPE Aruba Networking ClearPass Access License 1K Concurrent Endpoints 3-year Subscription E-STU
<b>JZ421AAE</b>	HPE Aruba Networking ClearPass Access License 2500 Concurrent Endpoints 3-year Subscription E-STU
<b>JZ422AAE</b>	HPE Aruba Networking ClearPass Access License 5K Concurrent Endpoints 3-year Subscription E-STU
<b>JZ423AAE</b>	HPE Aruba Networking ClearPass Access License 10K Concurrent Endpoints 3-year Subscription E-STU
<b>JZ424AAE</b>	HPE Aruba Networking ClearPass Access License 25K Concurrent Endpoints 3-year Subscription E-STU
<b>JZ425AAE</b>	HPE Aruba Networking ClearPass Access License 50K Concurrent Endpoints 3-year Subscription E-STU
<b>JZ426AAE</b>	HPE Aruba Networking ClearPass Access License 100K Concurrent Endpoints 3-year Subscription E-STU
<b>Subscription licenses (5 year)</b>	
<b>JZ427AAE</b>	HPE Aruba Networking ClearPass Access License 100 Concurrent Endpoints 5-year Subscription E-STU
<b>JZ428AAE</b>	HPE Aruba Networking ClearPass Access License 500 Concurrent Endpoints 5-year Subscription E-STU
<b>JZ429AAE</b>	HPE Aruba Networking ClearPass Access License 1K Concurrent Endpoints 5-year Subscription E-STU
<b>JZ430AAE</b>	HPE Aruba Networking ClearPass Access License 2500 Concurrent Endpoints 5-year Subscription E-STU
<b>JZ431AAE</b>	HPE Aruba Networking ClearPass Access License 5K Concurrent Endpoints 5-year Subscription E-STU
<b>JZ432AAE</b>	HPE Aruba Networking ClearPass Access License 10K Concurrent Endpoints 5-year Subscription E-STU
<b>JZ433AAE</b>	HPE Aruba Networking ClearPass Access License 25K Concurrent Endpoints 5-year Subscription E-STU
<b>JZ434AAE</b>	HPE Aruba Networking ClearPass Access License 50K Concurrent Endpoints 5-year Subscription E-STU
<b>JZ435AAE</b>	HPE Aruba Networking ClearPass Access License 100K Concurrent Endpoints 5-year Subscription E-STU






Ordering information

Part number	Description
Customized Guest Portal	
H30SYA1	HPE Aruba Networking ClearPass Guest Custom Skin E-LTU
Expandable application software	
ClearPass Onboard – device configuration and certificate management	Refer to ClearPass Onboard Datasheet
ClearPass OnGuard – endpoint device health	Refer to ClearPass OnGuard Datasheet



In the Cyber CatalystSM program, leading cyber insurers evaluate and identify solutions they consider effective in reducing cyber risk. Participating insurers include Allianz; AXIS; AXA XL, a division of AXA; Beazley; CFC; Munich Re; Sampo International; and Zurich North America. Microsoft is a technical advisor to the program.

Make the right purchase decision.  
Contact our presales specialists.

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