

# 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.

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**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**

HPE Aruba Networking 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 HPE Aruba Networking 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 leverages 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 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, dissolvable 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 HPE Aruba Networking ClearPass. Using features like REST-based APIs, RADIUS Accounting Proxy, and Syslog ingestion help facilitate workflows with UEM, SIEM, firewalls, helpdesk 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 with 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

HPE Aruba Networking ClearPass Insight provides advanced reporting capabilities via customizable reports. Information about authentication trends, profiled devices, guest data, onboarded 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, HPE Aruba Networking Central NetConductor offers cloud-native security services that enable global policy management and network configuration with simple business logic interface and

workflows. HPE Aruba Networking Central NetConductor uses a distributed EVPN/VXLAN network overlay to facilitate inline policy enforcement across large, globally dispersed networks.

Networks that use HPE Aruba Networking 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

HPE Aruba Networking 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)
<b>Appliance specifications</b>			
<b>Hardware model</b>	Unicom S-1200 R4	HPE DL360 Gen10	HPE DL360 Gen10
<b>CPU</b>	(1) Atom 2.4 GHz C2758 with Eight Cores (8 Threads)	(1) Xeon 2.3 GHz Gold 5118 with 12 Cores (12 Threads)	(1) Xeon 2.3 GHz Gold 5118 with Twelve Cores (24 Threads)
<b>Memory</b>	8 GB	16 GB	64 GB
<b>Hard drive storage</b>	(1) SATA (7.3K RPM) 1 TB hard drive	(2) SATA (7.2K RPM) 1 TB hard drives, RAID-1 controller	(6) SAS (10K RPM) 600 GB Hot-Plug hard drives RAID-10 controller
<b>Out of band management</b>	N/A	HPE Integrated Light-Out (iLO) Advanced	HPE Integrated Lights-Out (iLO) Advanced
<b>Network interfaces</b>	4 x 1 GbE	4 x 1 GbE	4 x 1 GbE
<b>Serial port</b>	Yes (RJ-45)	Yes (DB-9)	Yes (DB-9)
<b>Performance and scale</b>	Please refer to the ClearPass Scaling and Ordering Guide		
<b>Minimum software version</b>	ClearPass Policy Manager 6.6	ClearPass Policy Manager 6.11	ClearPass Policy Manager 6.7
<b>Form factor</b>			
<b>Rackmount</b>	Included	Included	Included
<b>Dimensions (WxHxD)</b>	17.2" x 1.7" x 11.3"	17.1" x 1.7" x 27.8"	17.1" x 1.7" x 27.8"
<b>Weight (max config)</b>	8.5 lb	Up to 36 lb	Up to 36 lb
<b>Power</b>			
<b>Power supply</b>	200 watts max	HPE 500W Flex Slot Platinum Hot plug power supply	HPE 500W Flex Slot Platinum hot plug power supply
<b>Power cord</b>	C13-NEMA 5-15P US/CA 110V 10 amp power cord	C13-C14 WW 250V 10 amp jumper cord	C13-C14 WW 250V 10 amp jumper cord
<b>Power redundancy</b>	N/A	Optional	Optional
<b>AC input voltage</b>	100/240 VAC auto-selecting		
<b>AC input frequency</b>	50/60 Hz auto-selecting		
<b>Environmental</b>			
<b>Operating temperature</b>	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)
<b>Operating vibration</b>	0.25 G at 5 Hz to 200 Hz for 15 minutes	Random vibration at 0.000075 G <sup>2</sup> /Hz, 10 Hz to 300 Hz, (0.15 G's nominal)	Random vibration at 0.000075 G <sup>2</sup> /Hz, 10 Hz to 300 Hz, (0.15 G's nominal)
<b>Operating shock</b>	1 shock pulse of 20 G for up to 2.5 ms	2 G	2 G
<b>Operating altitude</b>	-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)
<b>Appliance specifications</b>			
<b>Hardware model</b>	HPE DL325 Gen11	HPE DL325 Gen11	Advantech FWA-2012
<b>CPU</b>	AMD EPYC 9124 with 16 cores (32 threads)	AMD EPYC 9124 with 16 cores (32 threads)	Intel Atom® C3758R with 8 cores (8 threads)
<b>Memory</b>	128 GB	128 GB	16 GB
<b>Hard drive storage</b>	(3) SSD (960 GB SATA) RAID-5 controller	(3) SSD (960 GB SATA) RAID-5 controller	(1) SSD (1 TB) M.2
<b>Out of band management</b>	HPE Integrated Lights-Out (iLO) Advanced	HPE Integrated Lights-Out (iLO) Advanced	N/A
<b>Network interfaces</b>	4 x 1 GbE	4 x 10/25 GbE SPF28	4 x 1 GbE
<b>Serial port</b>	Yes (DB-9)	Yes (DB-9)	Yes (RJ-45) *
<b>Performance and scale</b>	Please refer to the ClearPass Scaling and Ordering Guide		
<b>Minimum software version</b>	ClearPass Policy Manager 6.11	ClearPass Policy Manager 6.11	ClearPass Policy Manager 6.11
<b>Form factor</b>			
<b>Rackmount</b>	Included	Included	Included (mounting ears)
<b>Dimensions (WxHxD)</b>	17.1" x 1.7" x 25.6"	17.1" x 1.7" x 25.6"	19" x 1.7" x 12.6"
<b>Weight (max config)</b>	Up to 34.5 lb	Up to 34.5 lb	Up to 14.5 lb
<b>Power</b>			
<b>Power supply</b>	(2) HPE 1000W Flex Slot Titanium hot plug power supply	(2) HPE 1000W Flex Slot Titanium hot plug power supply	(1) 150W
<b>Power cord</b>	(2) C13 -C14 WW 250V 10A jumper cord	(2) C13 -C14 WW 250V 10A jumper cord	(1) C13 -C14 WW 250V 10A jumper cord
<b>Power redundancy</b>	Included	Included	N/A
<b>AC input voltage</b>	100/240 VAC auto-selecting		
<b>AC input frequency</b>	50/60 Hz auto-selecting		
<b>Environmental</b>			
<b>Operating temperature</b>	10° to 35°C (50° to 95°F)	10° to 35°C (50° to 95°F)	10° to 35°C (50° to 95°F)
<b>Operating vibration</b>	Random vibration at 0.000075 G/Hz, 10 Hz to 300 Hz (0.15 G's nominal)	Random vibration at 0.000075 G/Hz, 10 Hz to 300 Hz (0.15 G's nominal)	0.5 Grms, 5-500 Hz, 1hr/axis
<b>Operating shock</b>	2 G's	2 G's	1.5 G's
<b>Operating altitude</b>	3,050 m (10,000 ft)	3,050 m (10,000 ft)	3,050 m (10,000 ft)

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

## 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 Networking support portal in the [ClearPass documentation section](#).



## Ordering information

Part number	Description
<b>Hardware appliances</b>	
JZ508A	HPE Aruba Networking ClearPass C1000 S-1200 R4 HW-based appliance
S3N65A	HPE Aruba Networking ClearPass N3001 10G SFP+ hardware appliance
S3N66A	HPE Aruba Networking ClearPass N3000 1G hardware appliance
S3N67A	HPE Aruba Networking ClearPass N1000 1G hardware appliance
R1V83A	HPE Aruba Networking ClearPass C2020 DL360 Gen10 HW-based appliance
R1V82A	HPE Aruba Networking ClearPass C3010 DL360 Gen10 HW-based appliance
<b>Virtual appliances</b>	
JZ399AAE	HPE Aruba Networking ClearPass Cx000V VM-based appliance E-LTU
<b>Power supplies</b>	
R1T38A	HPE Aruba Networking DL360 Gen10 500W spare power supply (for use with R1V82A and R1V83A)
<b>Accessories</b>	
S3N61A	HPE Aruba Networking ClearPass N3000x warm spare SSD
S3N62A	HPE Aruba Networking ClearPass N1000 cold spare SSD
<b>Warranty information</b>	
Hardware warranty	1-year parts*
Software warranty	90 days*
Perpetual software license warranty	90 days*
<b>Perpetual licenses</b>	
JZ400AAE	HPE Aruba Networking ClearPass Access License 100 Concurrent Endpoints E-LTU
JZ401AAE	HPE Aruba Networking ClearPass Access License 500 Concurrent Endpoints E-LTU
JZ402AAE	HPE Aruba Networking ClearPass Access License 1K Concurrent Endpoints E-LTU
JZ403AAE	HPE Aruba Networking ClearPass Access License 2500 Concurrent Endpoints E-LTU
JZ404AAE	HPE Aruba Networking ClearPass Access License 5K Concurrent Endpoints E-LTU
JZ405AAE	HPE Aruba Networking ClearPass Access License 10K Concurrent Endpoints E-LTU
JZ406AAE	HPE Aruba Networking ClearPass Access License 25K Concurrent Endpoints E-LTU
JZ407AAE	HPE Aruba Networking ClearPass Access License 50K Concurrent Endpoints E-LTU
JZ408AAE	HPE Aruba Networking ClearPass Access License 100K Concurrent Endpoints E-LTU
R1U35AAE	HPE Aruba Networking ClearPass Entry License 100 Concurrent Endpoints E-LTU
R1U36AAE	HPE Aruba Networking ClearPass Entry License 500 Concurrent Endpoints E-LTU
R1U37AAE	HPE Aruba Networking ClearPass Entry License 1K Concurrent Endpoints E-LTU
R1U38AAE	HPE Aruba Networking ClearPass Entry License 2500 Concurrent Endpoints E-LTU
R1U39AAE	HPE Aruba Networking ClearPass Entry License 5K Concurrent Endpoints E-LTU
R1U40AAE	HPE Aruba Networking ClearPass Entry License 10K Concurrent Endpoints E-LTU
R1U41AAE	HPE Aruba Networking ClearPass Entry License 25K Concurrent Endpoints E-LTU
R1U42AAE	HPE Aruba Networking ClearPass Entry License 50K Concurrent Endpoints E-LTU
R1U43AAE	HPE Aruba Networking ClearPass Entry License 100K Concurrent Endpoints E-LTU
R1U44AAE	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>	
R1U45AAE	HPE Aruba Networking ClearPass Access Upgrade License 500 Concurrent Endpoints E-LTU
R1U46AAE	HPE Aruba Networking ClearPass Access Upgrade License 1K Concurrent Endpoints E-LTU
R1U47AAE	HPE Aruba Networking ClearPass Access Upgrade License 2500 Concurrent Endpoints E-LTU
R1U48AAE	HPE Aruba Networking ClearPass Access Upgrade License 5K Concurrent Endpoints E-LTU
R1U49AAE	HPE Aruba Networking ClearPass Access Upgrade License 10K Concurrent Endpoints E-LTU
R1U50AAE	HPE Aruba Networking ClearPass Access Upgrade License 25K Concurrent Endpoints E-LTU
R1U51AAE	HPE Aruba Networking ClearPass Access Upgrade License 50K Concurrent Endpoints E-LTU
R1U52AAE	HPE Aruba Networking ClearPass Access Upgrade License 100K Concurrent Endpoints E-LTU
<b>Subscription licenses (1 year)</b>	
JZ409AAE	HPE Aruba Networking ClearPass Access License 100 Concurrent Endpoints 1-year subscription E-STU
JZ410AAE	HPE Aruba Networking ClearPass Access License 500 Concurrent Endpoints 1-year subscription E-STU
JZ411AAE	HPE Aruba Networking ClearPass Access License 1K Concurrent Endpoints 1-year subscription E-STU
JZ412AAE	HPE Aruba Networking ClearPass Access License 2500 Concurrent Endpoints 1-year subscription E-STU
JZ413AAE	HPE Aruba Networking ClearPass Access License 5K Concurrent Endpoints 1-year subscription E-STU
JZ414AAE	HPE Aruba Networking ClearPass Access License 10K Concurrent Endpoints 1-year subscription E-STU
JZ415AAE	HPE Aruba Networking ClearPass Access License 25K Concurrent Endpoints 1-year subscription E-STU
JZ416AAE	HPE Aruba Networking ClearPass Access License 50K Concurrent Endpoints 1-year subscription E-STU
JZ417AAE	HPE Aruba Networking ClearPass Access License 100K Concurrent Endpoints 1-year subscription E-STU
<b>Subscription licenses (3 year)</b>	
JZ418AAE	HPE Aruba Networking ClearPass Access License 100 Concurrent Endpoints 3-year subscription E-STU
JZ419AAE	HPE Aruba Networking ClearPass Access License 500 Concurrent Endpoints 3-year subscription E-STU
JZ420AAE	HPE Aruba Networking ClearPass Access License 1K Concurrent Endpoints 3-year subscription E-STU
JZ421AAE	HPE Aruba Networking ClearPass Access License 2500 Concurrent Endpoints 3-year subscription E-STU
JZ422AAE	HPE Aruba Networking ClearPass Access License 5K Concurrent Endpoints 3-year subscription E-STU
JZ423AAE	HPE Aruba Networking ClearPass Access License 10K Concurrent Endpoints 3-year subscription E-STU
JZ424AAE	HPE Aruba Networking ClearPass Access License 25K Concurrent Endpoints 3-year subscription E-STU
JZ425AAE	HPE Aruba Networking ClearPass Access License 50K Concurrent Endpoints 3-year subscription E-STU
JZ426AAE	HPE Aruba Networking ClearPass Access License 100K Concurrent Endpoints 3-year subscription E-STU
<b>Subscription licenses (5 year)</b>	
JZ427AAE	HPE Aruba Networking ClearPass Access License 100 Concurrent Endpoints 5-year subscription E-STU
JZ428AAE	HPE Aruba Networking ClearPass Access License 500 Concurrent Endpoints 5-year subscription E-STU
JZ429AAE	HPE Aruba Networking ClearPass Access License 1K Concurrent Endpoints 5-year subscription E-STU
JZ430AAE	HPE Aruba Networking ClearPass Access License 2500 Concurrent Endpoints 5-year subscription E-STU
JZ431AAE	HPE Aruba Networking ClearPass Access License 5K Concurrent Endpoints 5-year subscription E-STU
JZ432AAE	HPE Aruba Networking ClearPass Access License 10K Concurrent Endpoints 5-year subscription E-STU
JZ433AAE	HPE Aruba Networking ClearPass Access License 25K Concurrent Endpoints 5-year subscription E-STU
JZ434AAE	HPE Aruba Networking ClearPass Access License 50K Concurrent Endpoints 5-year subscription E-STU
JZ435AAE	HPE Aruba Networking ClearPass Access License 100K Concurrent Endpoints 5-year subscription E-STU





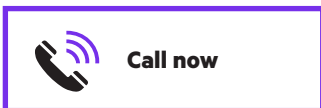
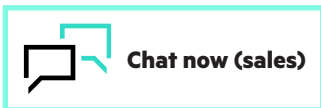
## Ordering information

Part number	Description
<b>Customized Guest Portal</b>	
H30SYA1	HPE Aruba Networking ClearPass Guest Custom Skin E-LTU
<b>Expandable application software</b>	
<b>ClearPass Onboard — device configuration and certificate management</b>	Refer to ClearPass Onboard data sheet
<b>ClearPass OnGuard — endpoint device health</b>	Refer to ClearPass OnGuard data sheet



In the Cyber Catalyst<sup>SM</sup> 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.

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Contact our presales specialists.



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