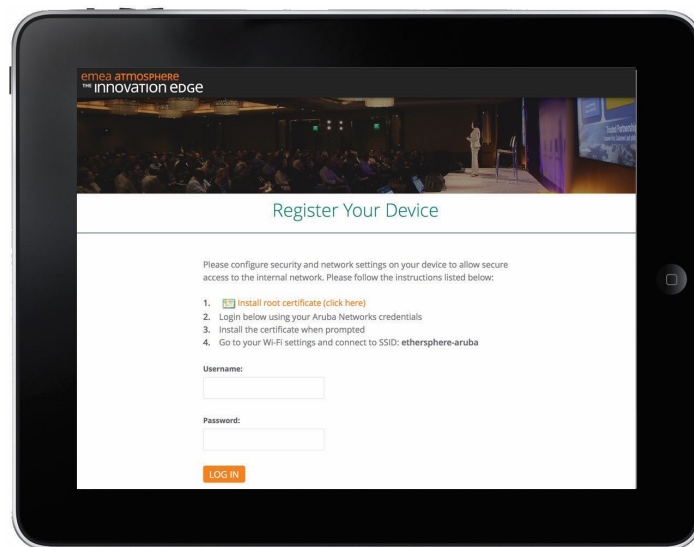


# HPE Aruba Networking ClearPass Onboard

An HPE Aruba Networking ClearPass Policy Manager application



## Key features

- Enables users to self-register and securely onboard multiple devices
- Supports Windows, macOS, iOS, Android, Chromebook, and Ubuntu operating systems
- Sponsor-based onboarding allows for custom workflows
- Active Directory and cloud identity credential authentication supported

## Automated mobile device provisioning and configuration for secure BYOD

HPE Aruba Networking ClearPass Onboard automatically configures and provisions mobile devices—Windows, macOS, iOS, Android™, Chromebook™, and Ubuntu—enabling them to securely connect to enterprise networks in support of bring-your-own-device (BYOD) initiatives.

IT can automatically give employees, contractors, and partners permission to self-configure their personal devices. The HPE Aruba Networking ClearPass Onboard portal dynamically detects a device's operating system and guides the user through the appropriate steps.

This provides an incredibly simple way to configure wireless, wired, and VPN settings, apply unique per-device certificates and profiles, and help ensure that users can securely connect their devices to 802.1X-enabled networks with minimal IT interaction.

HPE Aruba Networking ClearPass Onboard also increases the amount of usable context for troubleshooting user- and device-based policies and compliance reporting per device.

The result is a streamlined workflow that allows IT help desk personnel to efficiently automate multiple processes that are required to successfully carry out BYOD initiatives while offloading IT and improving the user experience.

**Key features**

- Automates the configuration of network settings for wired and wireless end points
- Unique provisioning and revocation of device-specific credentials and certificates
- Contains built-in certificate authority specifically for BYOD
- Uses profiling to identify device type, manufacturer, and model
- Provides BYOD visibility and centralized policy management capabilities

**The HPE Aruba Networking ClearPass advantage**

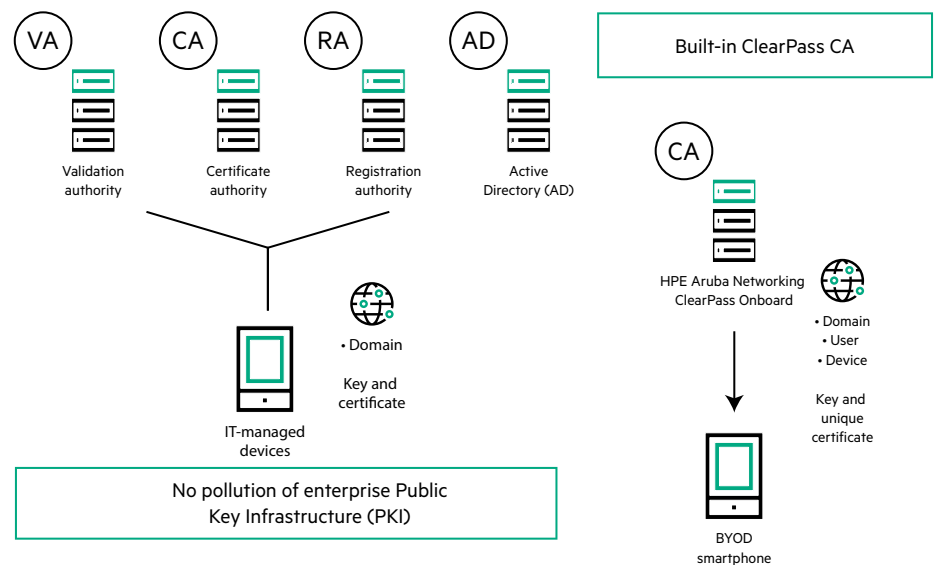
With one of the industry’s most advanced auto-provisioning features, onboarding thousands of devices is amazingly simple through integrated policy management, customizable user-facing portal, and built-in certificate authority (CA).

**Automated policy management**

With HPE Aruba Networking ClearPass, IT can use context collected during onboarding to enforce device type and ownership-based network access policies.

Figure 1 shows components of onboard certificate authority and validation authority.

Centrally defined policies also limit the types of devices that can be onboarded and define which user groups can onboard devices.



**Figure 1.** Built-in CA simplifies administration for BYODs

**Flexible workflow options**

The onboard configuration process can be managed through IT-enabled and sponsor-required workflows. User authentication can prompt for Active Directory or cloud identity credentials.

**Customized device provisioning**

A centrally managed administrator portal allows IT to configure device certificates and trust details, network access, VPN, and health check settings and authentication protocols for wireless and wired networks.

The IT staff can also define the number of devices that can be onboarded per user and how long their certificates are valid.

**Advanced onboarding capabilities—Built-in CA for BYOD**

The distribution of published device credentials through the built-in CA of HPE Aruba Networking ClearPass Onboard safeguards organizations that want to adopt BYOD initiatives without requiring the implementation of an external CA. HPE Aruba Networking ClearPass Onboard issued certificates are unique as they also include specific user and device context (see Figure 2).



Certificate Information	
<b>Certificate Details</b> Details about the certificate and its owner.	
Issued To:	
Valid From:	Monday, 15 August 2016, 5:58 AM
Valid To:	Sunday, 10 August 2036, 6:28 AM
Subject:	Country US
	Locality Santa Clara
	Organization HPE Aruba
<b>Issuer Details</b> Details about the certificate authority that issued the certificate.	
Issued By:	
Issuer:	Country US
	Locality Santa Clara
	Organization HPE Aruba
<b>Advanced</b> Technical information about the certificate.	
Fingerprint:	This is the SHA-1 "fingerprint" or "thumbprint" of the certificate.
Private Key:	2048-bit RSA The type of the private key for this certificate.
Details:	<a href="#">Show</a>

**Figure 2.** Details of unique credentials for onboarded BYOD endpoints

The HPE Aruba Networking ClearPass Onboard CA provides the option to utilize certificate management without the need to make changes to an internal PKI or AD.

HPE Aruba Networking ClearPass also supports the distribution of onboard-generated certificates requested by third-party applications—EMM/MDM using Simple Certificate Enrollment Protocol (SCEP) and EST (RFC 7030) protocols.

**Revocation of unique certificates**

Easy-to-use search and menu-driven capabilities help ensure the rapid revocation and deletion of certificates for specific mobile devices if a user leaves an organization or the mobile device is lost or stolen.

Online Certificate Status Protocol (OCSP) is supported.

**Ordering guidance**

HPE Aruba Networking ClearPass Onboard can be ordered through perpetual license or subscription that includes support for the length of the subscription.

Ordering HPE Aruba Networking ClearPass Onboard involves the following steps:

- Determine the number of unique users you will provision within your environment
- Select the total number of HPE Aruba Networking ClearPass Onboard licenses

Additional HPE Aruba Networking ClearPass Onboard capacity can be purchased at any time to meet growth demands. It is licensed on a per-user basis.



**Table 1.** Ordering information

<b>Part number</b>	<b>Description</b>
<b>Perpetual licenses</b>	
JZ436AAE	HPE Aruba Networking ClearPass—Onboard License 100 Users E-LTU
JZ437AAE	HPE Aruba Networking ClearPass—Onboard License 500 Users E-LTU
JZ438AAE	HPE Aruba Networking ClearPass—Onboard License 1K Users E-LTU
JZ439AAE	HPE Aruba Networking ClearPass—Onboard License 2500 Users E-LTU
JZ440AAE	HPE Aruba Networking ClearPass—Onboard License 5K Users E-LTU
JZ441AAE	HPE Aruba Networking ClearPass—Onboard License 10K Users E-LTU
JZ442AAE	HPE Aruba Networking ClearPass—Onboard License 25K Users E-LTU
JZ443AAE	HPE Aruba Networking ClearPass—Onboard License 50K Users E-LTU
JZ444AAE	HPE Aruba Networking ClearPass—Onboard License 100K Users E-LTU
<b>Perpetual licenses warranty</b>	
Software	90 days*
* Extended with support contract	
<b>Subscription licenses (1 year)</b>	
JZ445AAE	HPE Aruba Networking ClearPass—Onboard License 100 Users 1-year Subscription E-STU
JZ446AAE	HPE Aruba Networking ClearPass—Onboard License 500 Users 1-year Subscription E-STU
JZ447AAE	HPE Aruba Networking ClearPass—Onboard License 1K Users 1-year Subscription E-STU
JZ448AAE	HPE Aruba Networking ClearPass—Onboard License 2500 Users 1-year Subscription E-STU
JZ449AAE	HPE Aruba Networking ClearPass—Onboard License 5K Users 1-year Subscription E-STU
JZ450AAE	HPE Aruba Networking ClearPass—Onboard License 10K Users 1-year Subscription E-STU
JZ451AAE	HPE Aruba Networking ClearPass—Onboard License 25K Users 1-year Subscription E-STU
JZ452AAE	HPE Aruba Networking ClearPass—Onboard License 50K Users 1-year Subscription E-STU
JZ453AAE	HPE Aruba Networking ClearPass—Onboard License 100K Users 1-year Subscription E-STU
<b>Subscription licenses (3 year)</b>	
JZ454AAE	HPE Aruba Networking ClearPass—Onboard License 100 Users 3-year Subscription E-STU
JZ455AAE	HPE Aruba Networking ClearPass—Onboard License 500 Users 3-year Subscription E-STU
JZ456AAE	HPE Aruba Networking ClearPass—Onboard License 1K Users 3-year Subscription E-STU
JZ457AAE	HPE Aruba Networking ClearPass—Onboard License 2500 Users 3-year Subscription E-STU
JZ458AAE	HPE Aruba Networking ClearPass—Onboard License 5K Users 3-year Subscription E-STU



## Data sheet

**Table 1.** Ordering information (continued)

Part number	Description
JZ459AAE	HPE Aruba Networking ClearPass—Onboard License 10K Users 3-year Subscription E-STU
JZ460AAE	HPE Aruba Networking ClearPass—Onboard License 25K Users 3-year Subscription E-STU
JZ461AAE	HPE Aruba Networking ClearPass—Onboard License 50K Users 3-year Subscription E-STU
JZ462AAE	HPE Aruba Networking ClearPass—Onboard License 100K Users 3-year Subscription E-STU
<b>Subscription licenses (5 year)</b>	
JZ463AAE	HPE Aruba Networking ClearPass—Onboard License 100 Users 5-year Subscription E-STU
JZ464AAE	HPE Aruba Networking ClearPass—Onboard License 500 Users 5-year Subscription E-STU
JZ465AAE	HPE Aruba Networking ClearPass—Onboard License 1K Users 5-year Subscription E-STU
JZ466AAE	HPE Aruba Networking ClearPass—Onboard License 2500 Users 5-year Subscription E-STU
JZ467AAE	HPE Aruba Networking ClearPass—Onboard License 5K Users 5-year Subscription E-STU
JZ468AAE	HPE Aruba Networking ClearPass—Onboard License 10K Users 5-year Subscription E-STU
JZ469AAE	HPE Aruba Networking ClearPass—Onboard License 25K Users 5-year Subscription E-STU
JZ470AAE	HPE Aruba Networking ClearPass—Onboard License 50K Users 5-year Subscription E-STU
JZ471AAE	HPE Aruba Networking ClearPass—Onboard License 100K Users 5-year Subscription E-STU

## Learn more at

[HPE.com/in/en/Aruba-ClearPass-Policy-Manager.html](https://HPE.com/in/en/Aruba-ClearPass-Policy-Manager.html)

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