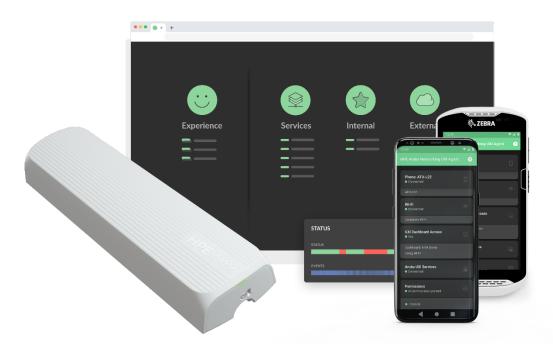
QuickSpecs

Overview

HPE Aruba Networking User Experience Insight

Your Trusted Digital Experience Monitoring Solution

HPE Aruba Networking User Experience Insight (UXI) is a digital experience monitoring solution that validates network health, application performance, and troubleshoots problems that affect day-to-day user experience. Ideal for campus, branch, and remote environments alike, HPE Aruba Networking UXI assumes the role of an end-user, evaluating the performance, connectivity, and responsiveness of network infrastructure and applications such as corporate ERM, Office365, or web applications. In addition to the above evaluation, the HPE Aruba Networking Agents provide device performance analysis too. This outside-in perspective is presented through a simple, intuitive dashboard, powered by machine learning, that provides a proactive way to solve problems before they impact the business. HPE Aruba Networking UXI is easy to configure, deploy and manage, and immediately begins providing insights once sites are online.



HPE Aruba Networking User Experience Insight

Key Features

- Intuitive, simple-to-use dashboard with end-to-end visibility over performance and health.
- Al powered alerts to reduce alert-fatigue.
- Automated user and application experience monitoring through synthetic testing.
- Network performance metrics for wired, wireless, and cloud application connectivity.
- Simplified deployment and backup connectivity with built-in cellular connectivity and DPP (Device Provisioning Protocol)
- Multivendor support enables testing for any HPE Aruba Networking or third-party network environment.
- Integration with third-party applications like ServiceNow and Slack via Webhooks
- Data Push Destination for creating custom dashboard

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Standard Features

AI-Powered Analytics

HPE Aruba Networking UXI contributes to HPE Aruba Networking ESP by using a combination of AIOps capabilities and onsite sensors and agents to automatically identify various issues that can affect wired, wireless, and WAN access. Sensors and agents mimic user and IoT behavior by accessing and using applications like Netflix or Skype for business etc. Upon detecting an issue in real time, HPE Aruba Networking UXI analyzes the severity of the issue using machine learning algorithms, and groups the issues that require immediate attention into larger events called incidents. These incidents are highlighted on the dashboard, thereby eliminating alert fatigue, and triggering automatic ticket creation to alert and help IT quickly and proactively fix problems and optimize experiences without frustrating and time-consuming troubleshooting.

Examples of available insights and outcomes include:

- **Device association:** All stages of connections including authentication, DHCP and DNS help identify where in the process users may experience problems.
- **End-to-end app responsiveness:** Continuous visibility into the responsiveness of internal and cloud-hosted applications by location that gets in front of issues where there are no dedicated IT resources.
- Incident Detection: Near real-time insights for high priority services that require IT attention, such as guest portal load times, slow application performance, bad VoIP quality, packet loss and outages that IT can use to quickly troubleshoot issues. Incidents can also trigger external applications like ServiceNow and Slack using Webhooks.
- Web Application Testing: Test web applications from an end user perspective by easily customizing test cases to mimic end users. HPE Aruba Networking UXI enables businesses to test end to end workflow like hopping on to a website, logging in, clicking a button, and logging out of the web application.
- **Support for IPv6:** HPE Aruba Networking UXI provides precise visibility and in-depth network performance in an IPv6 environment to show DHCPv6, DNS64/NAT64, and SLAAC configurations, and applications performance over the network.
- Data Push Destination: Businesses can create customer reports by configuring the HPE Aruba Networking UXI dashboard to send network and application monitoring test results to a destination (data analysis platform) that businesses manage. The current options are AWS S3, Google Big Query, Elasticsearch, Splunk (Beta), or business can set up a generic HTTP endpoint to receive this data. Using generic http endpoint, businesses can now analyze the data in ServiceNow, PowerBI, Sumo logic, Mode analytics, PagerDuty, etc.
- **Upgraded Reports:** HPE Aruba Networking UXI can be configured to generate highly customizable reports on a weekly basis both On-demand and configurable. Business can choose to get the reports according to Sensor Groups, Networks, Schedule Weekly, Monthly, Daily, Date, and Time.

Application and Network Monitoring

The HPE Aruba Networking UXI sensors monitor on-premises, data center and cloud-based enterprise applications. When used with HPE Aruba Networking UXI agents, IT team can analyze device performance with HPE Aruba Networking UXI agent for android and roaming and voice traffic performance with HPE Aruba Networking UXI agent for Zebra. IT teams can configure the HPE Aruba Networking UXI sensor to log in and out of mission critical web applications, click links, fill out forms and perform various web interactions - just like real users do. The HPE Aruba Networking UXI dashboard will report on the overall health of these applications including success, failure, and transaction times. HPE Aruba Networking UXI sensors also come with an extensive library of pre-configured popular tests such as Dropbox, YouTube, Slack and Netflix.

HPE Aruba Networking UXI sensors use dynamic packet captures that are uploaded to the cloud when issues are detected. The packet captured data is invaluable for troubleshooting issues in depth and arriving at root cause without having to visit the site. Reported data includes: connectivity, throughput, latency, jitter, packet loss, web server response time, web application transaction time, and VoIP MoS..

Secure to the Core

HPE Aruba Networking UXI has been built from the ground up to ensure complete network security and privacy. Features include:

- Data encryption at rest and in motion, and all communication using TLS
- Hashing to conceal network access credentials
- No SSID bridging nor externally accessible logic ports (SSH and in-bound Telnet are disallowed)
- Security validation by independent vulnerability and penetration assessments.



Proactive HPE Aruba Networking User Experience Insights

Gain first-hand intelligence over network health from a user perspective. By using a synthetic sensor, multiple combinations of common user workflows can be tested.

Dynamic Packet Capture (PCAP)

Dynamic packet captures help identify problems and conduct root-cause analyses. PCAP files can be generated and uploaded automatically or on demand and retained for up to 30 days. Raw data is retained for up to 18 months.

Cloud-delivered Updates

With every subscription, HPE Aruba Networking UXI provides continuous software updates that enhance the value of your existing sensor infrastructure.

Vendor-neutral Integration

Deliver insights quickly for any network environment – just connect to a Wi-Fi or wired network

Third-party Integrations

Enable Webhooks with services like Slack and ServiceNow for instant notifications anywhere.

World-class Support

Get 24/7 assistance from HPE Aruba Networking Live Chat directly from the dashboard.

Flexible Deployment Options

HPE Aruba Networking UXI is available for HPE Aruba Networking and multi-vendor networks, and gathers health metrics from the wired LAN, WLAN, and Internal and external applications.

HPE Aruba Networking UXI Dashboard

The cloud based HPE Aruba Networking UXI Dashboard provides an end-to-end view of user and application experiences and orchestrates the configuration, deployment, collection, and visualization of network health across every site. From the main dashboard, easily identify problems and perform remediation actions.

G-Series Sensors

G-Series Sensors have a slim, cylindrical design with a pleasing aesthetic that fits in with any workplace décor – while a Kensington lock keeps them in place. All models feature PoE and Wi-Fi. A Bluetooth 5.0 radio allows the system to be set-up via the HPE Aruba Networking UXI Mobile App, while a cellular option allows sensors to be rapidly configured and immediately begins serving the network. One sensor can test up to four networks, one via the Ethernet port and up to three for Wi-Fi SSIDs.

G5 Sensors

Linux based devices powered by a dual Core 1.3Ghz ARM based processor, ideal for testing Wi-Fi 5 and previous generations network environment.

G6 Sensors

Linux devices powered by 2.0GHz chipset, 2GB RAM and 8GB eMMC, ideal for testing Wi-Fi 6 and previous generations network environment.

G6E Sensors

HPE Aruba Networking UXI Wi-Fi 6E Sensor monitors Wi-Fi 6E and previous generation network environments. The sensor tests dual radios, covering Triband operation 2.4/5/6 GHz bands, and comes with differentiated features like Off-Band monitoring, client monitoring, and enhanced Wi-Fi environment analysis. Besides the network and application monitoring, the new sensors also provide insights into QBSS, client counts, and SNR, providing details about the noise in the environment and number of clients impacted by an issue.



Mobile App

The HPE Aruba Networking UXI Mobile App connects to a G-Sensor's Bluetooth radio and allows HPE Aruba Networking UXI Sensors to be quickly set up, registered, and configured. The app also configures network and application testing.

HPE Aruba Networking UXI Agent

HPE Aruba Networking UXI offers two variants of agents: i): HPE Aruba Networking UXI agent for Android – deployed on android devices, perform synthetic tests to analyze network, application, and device performance, ii): HPE Aruba Networking UXI agent for Zebra – deployed in Zebra hand-held devices, perform synthetic tests to analyze network, application, roaming, and SIP call performance.

Request a Demo

For more information and to demo the solution, please contact your HPE Aruba Networking sales representative.

Ordering Information

The complete HPE Aruba Networking UXI solution consists of: i): HPE Aruba Networking UXI Sensor, ii): HPE Aruba Networking UXI Dashboard, iii): HPE Aruba Networking UXI Agent.

The Sensor comes with a one-time cost, HPE Aruba Networking UXI dashboard is accessed through a 1-, 3-, or 5-year software subscription attached to each sensor in deployment. A separate 1-, 3- or 5-year cellular data LTE subscription is required for cellular enabled sensor models (G5C, G6C, and G6EC).

For the HPE Aruba Networking UXI Agent, customers need to buy a license from HPE Aruba Networking for each device running the agent. The software is free to download from Google Play, HPE Aruba Networking Support Portal, and support installation (via MDM) but requires a valid subscription from HPE Aruba Networking to function. The HPE Aruba Networking Agent for Zebra leverages the Zebra Mobility DNA Wireless Insights solution to provide detailed insight into roaming and SIP call performance. In addition to the HPE Aruba Networking UXI Agent for Zebra license, agent for Zebra license, customers also need to buy an additional license from Zebra for Zebra Mobility DNA Wireless Insights (This is not included in HPE Aruba Networking's subscription).

Configuration Information

Build To Order: BTO is a standalone unit with no integration. BTO products ship standalone are not part of a CTO or Rack-Shippable solution.

BTO M	odels	
Rule #	Description	SKU
	HPE Aruba Networking User Experience Insight G-Series .11ax Ethernet Sensor	R7H75A
	PoE Powered, PSU Not Included but optional	
	HPE Aruba Networking User Experience Insight G-Series .11ax Ethernet Cell Sensor	R7H76A
	PoE Powered, PSU included	
	Aruba User Experience Insight Sensor 802.11ac Ethernet	R3R67A
	 PoE Powered, PSU Not Included but optional 	
	Aruba User Experience Insight Sensor 802.11ac Ethernet w/ LTE (Global)	R3S69A
	PoE Powered, PSU included	
	HPE Aruba Networking User Experience Insight 6Ghz 11ax PoE Powered Sensor without PSU	SOU51A
	 PoE Powered, PSU Not Included but optional 	
	HPE Aruba Networking User Experience Insight Sensor 6Ghz 11ax Cellular PoE Powered Sensor with PSU	SOU52A
	PoE Powered, PSU included	
Notes:	 Wireless Sensors include direct AC power plug-in, and option for PoE 	
	 OCA Only Model Selection Form - HPE Aruba Networking > User Experience & Analytics > Sensors: HPE Aruba Networking User Experience Insight 	
Service	Options	

Rule # Description SKU HPE Aruba Networking User Experience Insight Cloud Subscription Standard (min 0 // max 1) User Selection (min 1 // max 1) HPE Aruba Networking User Experience Insight Cloud 1-year Subscription E-STU R4W97AAE HPE Aruba Networking User Experience Insight Cloud 3-year Subscription E-STU R4W98AAE HPE Aruba Networking User Experience Insight Cloud 5-year Subscription E-STU R4W99AAE HPE Aruba Networking User Experience Insight Cloud 1-year Subscription AAS R4W97AAS HPE Aruba Networking User Experience Insight Cloud 3-year Subscription AAS R4W98AAS R4W99AAS HPE Aruba Networking User Experience Insight Cloud 5-year Subscription AAS Notes: - If selecting multiple sensors, customer must select the same Subscription Term *For IRIS reference only. No action required for OCX and Clic

HPE Aruba Networking User Experience Insight LTE Subscription

	For R7H76A and R3S69A and S0U52A Standard (min 0 // max 1) User Selection (min 1 // max 1)	
2	HPE Aruba Networking User Experience Insight Sensor LTE 1-year Subscription E-STU	R4X00AAE
3	HPE Aruba Networking User Experience Insight Sensor LTE 3-year Subscription E-STU	R4X01AAE
4	HPE Aruba Networking User Experience Insight Sensor LTE 5-year Subscription E-STU	R4X02AAE
1	HPE Aruba Networking User Experience Insight Sensor LTE 1-year Subscription AAS	R4X00AAS
1	HPE Aruba Networking User Experience Insight Sensor LTE 3-year Subscription AAS	R4X01AAS
1	HPE Aruba Networking User Experience Insight Sensor LTE 5-year Subscription AAS	R4X02AAS

Configuration Rules

- 1 For IRIS reference only. No action required for OCX and Clic
- 2 If R4W97AAE is selected, then min1/max1 of R4X00AAE must be added.
- 3 If R4W98AAE is selected, then min1/max1 of R4X01AAE must be added.
- 4 If R4W99AAE is selected, then min1/max1 of R4X02AAE must be added.

Configuration Information

Notes:	HPE Aruba Networking User Experience Insight LTE Subscription Term must be the same as HPE Aruba Networking User Experience Insight Cloud Subscription Term.	
Power	Options	
	For R3R67A, SOU51A and R7H75A Std (Min 0 // max 1) User Selection (min 0 // max 1)	
Remarks	Description	SKU
	HPE Aruba Networking User Experience Insight Power Supply Worldwide (Global)	R3T90A
Mounti	ng Options	
Remarks	Description	SKU
	Mounting Kit	
	For S0U51A, S0U52A Std (Min 0 // max 1) User Selection (min 0 // max 1)	
	For R3R67A, R3S69A Std (Min 0 // max 1) User Selection (min 0 // max 1)	
	For R7H75A, R7H76A Std (Min 0 // max 1) User Selection (min 0 // max 1)	
	HPE Aruba Networking User Experience Insight Mounting Kit	R3T84A
Softwa	re	
Rule #	Description	SKU
	HPE Aruba Networking User Experience Insight Agent	
	HPE Aruba Networking UXI Agent 1-year Cloud Subscription E-STU	S2D97AAE
	HPE Aruba Networking UXI Agent 3-year Cloud Subscription E-STU	S2D98AAE
	HPE Aruba Networking UXI Agent 5-year Cloud Subscription E-STU	S2D99AAE
Notes:	Place in HPE Aruba Networking Catalog as follows: HPE Aruba Networking > User Experience &	
	Analytics > Sensors > HPE Aruba Networking User Experience Insight Agent	
	HPE Aruba Networking User Experience Insight Agent for Zebra	
	HPE Aruba Networking User Experience Insight Zebra Agent Cloud 1-year Subscription E-STU	R8R05AAE
	HPE Aruba Networking User Experience Insight Zebra Agent Cloud 3-year Subscription E-STU	R8R06AAE
	HPE Aruba Networking User Experience Insight Zebra Agent Cloud 5-year Subscription E-STU	R8R07AAE
Notes:	– Place in HPE Aruba Networking Catalog as follows: HPE Aruba Networking > User Experience &	
	Analytics > Sensors > HPE Aruba Networking User Experience Insight Agent for Zebra	
	 Click Warning: User must select min qty 100 to meet valid order 	
	 Generate Unbuildable/FAN and Display the following: 	
	You must do a trial before purchase. Contact auxi@hpe.com for override approval.	

Technical Specifications

Specification	s HPE Aruba Networking User Exp	perience Insight	
•	UXI G5 and G5C (LTE) Sensor	UXI G6 and G6C (LTE) Sensor	UXI G6E and G6EC (LTE) Sensor
Network Interface	 802.11a/b/g/n/ac 2.4GHz & 5GHz with two spatial streams Gigabit Ethernet 10/100/1,000 Bluetooth Low Energy (BLE5.0) radio Exclusive to G5C: 3G/LTE connection for onboarding with full managed SIM and service Availability: International 	 802.11a/b/g/n/ac/ax 2.4GHz & 5GHz with two spatial streams Gigabit Ethernet 10/100/1,000 Bluetooth Low Energy (BLE5.1) radio Exclusive to G6C: 3G/LTE connection for onboarding with full managed SIM and service Availability: International 	 Dual radio 802.11a/b/g/n/ac/ax 2.4GHz, 5GHz & 6Ghz with two spatial streams. Gigabit Ethernet 10/100/1,000 Bluetooth Low Energy (BLE5.1) radio Exclusive to G6EC:_3G/LTE connection for onboarding with full managed SIM and service Availability: International
Power	 802.3af Power over Ethernet (PoE) Optional AC power adapter Power Consumption of 12W Exclusive to G5C: Power backup of 20s 	 802.3af Power over Ethernet (PoE) Optional AC power adapter Power Consumption of 12W Exclusive to G6C: Power backup >=20s 	 802.3af Power over Ethernet (PoE) Included AC power adapter Power Consumption of 12W Exclusive to G6EC: Power backup >=60s
Device Configuration	 Processor - Dual Core 1.3Ghz ARM based processor Operating system - The sensor runs a Linux operating system. All communication with the cloud dashboard passes through a secure gateway and is initiated by the sensor. There are no services listening on any ports, and it is not possible to SSH or telnet to the sensor. Security - All client/server communications are secured with 256-bit AES encrypted SSL. Read more (https://capenetworks.com/secur ity) 	 Processor - Dual Core 2.0Ghz ARM based processor with 2GB RAM Operating system - The sensor runs a Linux operating system. All communication with the cloud dashboard passes through a secure gateway and is initiated by the sensor. There are no services listening on any ports, and it is not possible to SSH or telnet to the sensor. Security - All client/server communications are secured with 256-bit AES encrypted SSL. Read more (https://capenetworks.com/sec 	 Processor - Dual Core 2.0Ghz ARM based processor with 2GB RAM Operating system - The sensor runs a Linux operating system. All communication with the cloud dashboard passes through a secure gateway and is initiated by the sensor. There are no services listening on any ports, and it is not possible to SSH or telnet to the sensor. Security - All client/server communications are secured with 256-bit AES encrypted SSL. Read more (https://capenetworks.com/security)
Mounting	 Ideal placement on a wall mounting, pillar, etc. is ± 4 to 5 feet (± 1.5 meters) off the ground Includes Command Strip[™] adhesive mounting for quick wall mounting below 2m in height Each sensor includes a bracket, with a star set screw and Kensington lock slot Non-skid rubber feet for placing sensors on a flat surface Optional T-Bar mounting kit 	 Ideal placement on a wall mounting, pillar, etc. is ± 4 to 5 feet (± 1.5 meters) off the ground Includes Command Strip[™] adhesive mounting for quick wall mounting below 2m in height Each sensor includes a bracket, with a star set screw and Kensington lock slot Non-skid rubber feet for placing sensors on a flat surface Optional T-Bar mounting kit 	 Ideal placement on a wall mounting, pillar, etc. is ± 4 to 5 feet (± 1.5 meters) off the ground Mount must be drilled on. Each sensor includes a bracket, with a star set screw and Kensington lock slot Non-skid rubber feet for placing sensors on a flat surface Optional T-Bar mounting kit



Technical Specifications

Physical Characteristics	 Dimensions with the mounting bracket: Width: 67.70mm, 2.66in Depth: 42.30mm, 1.66in Height: 265.75mm, 10.46in Exclusive to G5: Weight: 387 grams Exclusive to G5C: Weight: 436 grams 	 Dimensions with the mounting bracket: Width: 67.70mm, 2.66in Depth: 42.30mm, 1.66in Height: 265.75mm, 10.46in Exclusive to G6: Weight: 449 grams Exclusive to G6C: Weight: 498 grams 	 Dimensions with the mounting bracket: Width: 85mm, 3.34in Depth: 47mm, 1.85in Height: 306mm, 12.05in Exclusive to G6E: Weight: 611 grams Exclusive to G6EC: Weight: 682 grams
Environmental	 Operating Temperature: 32° F to 104° F, 0° C to 40° C Humidity: 5% to 93% non-condensing UL 2043 Plenum rated for use in air-handling spaces Storage & Transportation Temperature: -40° F to 158° F, -40° C to 70° C 	 Operating Temperature: 32° F to 104° F, 0° C to 40° C Humidity: 5% to 93% non-condensing UL 2043 Plenum rated for use in air-handling spaces Storage & Transportation Temperature: -40° F to 158° F, -40° C to 70° C 	 Operating Temperature: 32° F to 104° F, 0° C to 40° C Humidity: 5% to 93% non-condensing UL 2043 Plenum rated for use in air-handling spaces Storage & Transportation Temperature: -40° F to 158° F, -40° C to 70° C
Reliability	Exclusive to G5: MTBF 824 kHrs1 at 25° C operating temperature Exclusive to G5C: MTBF 776 kHrs1 at 25° C operating temperature	 Exclusive to G6: MTBF 868 kHrs1 at 25° C operating temperature Exclusive to G6C: MTBF 838 kHrs1 at 25° C operating temperature 	 Exclusive to G6E: MTBF 858.094kHrs1 at 25° C operating temperature Exclusive to G6EC: MTBF 759.657 kHrs1 at 25° C operating temperature
Regulatory	 CE Marked RED Directive 2014/53/EU EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU UL/IEC/EN 60950 Exclusive to G5: FCC ID: R3R67A: Q9DASIN0301 Exclusive to G5C: FCC ID: R3S69A: Q9DASIN0302 	 CE Marked RED Directive 2014/53/EU EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU UL/IEC/EN 62368 Exclusive to G6: FCC ID: R7H75A: Q9DASIN0303 Exclusive to G6C: FCC ID: R7H76A: Q9DASIN0304 	 CE Marked RED Directive 2014/53/EU EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU UL/IEC/EN 62368 Exclusive to G6E: FCC ID: SOU51A: Q9DASIN0305 Exclusive to G6EC: FCC ID: SOU51A: Q9DASIN0306
Warranty and Support	 1-year replacement warranty with 10-day shipment Software support included with subscription Hardware support through Foundation Care F numbers exclude the RTC battery be 	 1-year replacement warranty with 10-day shipment Software support included with subscription Hardware support through Foundation Care 	 1-year replacement warranty with 10-day shipment Software support included with subscription Hardware support through Foundation Care

Technical Specifications

Deployment Information

Multiple sensors can be placed within an environment to monitor performance within different areas. This number is dependent on many factors, including the density of both end-users and network devices. Guidance:

- One sensor for every five APs in a typical carpeted office
- One sensor per site (e.g., retail store or branch)
- One sensor every 10 APs in a large public venue (e.g. stadium or conference centre)
- The HPE Aruba Networking UXI Agent is recommended on every supported Android/Zebra device running the appropriate android operating system and updates.

Please refer to the product help documentation for supported Zebra devices and software requirements.

Summary of Changes

Date	Version History	Action	Description of Change
22-Jan-2024	Version 10	Changed	Series name was updated.
20-Nov-2023	Version 9	Changed	Overview, Standard Features, Configuration Information, and Technical Specifications section was updated.
02-Oct-2023	Version 8	Changed	Standard Features, Configuration Information, and Technical Specifications section was updated.
07-Aug-2023	Version 7	Changed	Standard Features, Configuration Information, and Technical Specifications section was updated.
15-May-2023	Version 6	Changed	Configuration Information section was updated.
03-Apr-2023	Version 5	Changed	Configuration Information section was updated.
05-Dec-2022	Version 4	Changed	Configuration Information section was updated.
07-Mar-2022	Version 3	Changed	Overview, Standard Features, and Configuration Information sections were updated. New SKUs were added in Configuration Information.
06-Dec-2021	Version 2	Changed	Standard Features, Configuration Information, and Technical Specifications sections were updated. SKUs were added and removed in Configuration Information section.
04-May-2020	Version 1	New	New QuickSpecs

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