Data sheet

HPE Aruba Networking User Experience Insight

HPE Aruba Networking User Experience Insight Wi-Fi 7 Ethernet Sensor (S4W52A)



What's new

- UXI Wi-Fi 7 sensor: Supports the 802.11be (Wi-Fi 7) standard. These sensors combine tri-band client radios with gigabit Ethernet interfaces to deliver robust wired and wireless performance monitoring.
- SaaS subscriptions: The aaS SKUs offer new licensing features to optimize value and provide greater flexibility on consumption and payment models to help maximize IT budgets and streamline operations.

Overview

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. It provides 24x7 observability into network and application performance from an edge perspective, allowing organizations to utilize an intelligent network assurance solution for understanding network health and application performance and mitigating connectivity problems before they affect end-users and impact workplace productivity.

Ideal for campus and branch environments, HPE Aruba Networking UXI comprises of hardware sensors, agents, and cloud hosted dashboard. The sensors are deployed near end-users, and agents are installed on the end-

- UXI agent: Compatible with Windows®, Mac®, and Android™, the agent runs synthetic tests to monitor network and application performance and offer insights into device health.
- Path analysis: Provides an end-to-end blueprint of outbound traffic over the global network, helping IT team to visualize the cause and the location of the issue impacting end-user digital experience.
- AI-powered incident detection: Reduces alert fatigue and speeds up mean time to innocence by grouping common issues seen across network.
- Data push destination: Enables IT teams to export network and application performance data captured by HPE Aruba Networking UXI onto their data platform for further analysis and decision-making.

users devices, these sensors and agents run synthetic tests to provide rich data analysis across networks, applications, and user devices.

Features

Proactive Observability into Network and Application Performance with Vendor Agnostic UXI

Proactive observability with path analysis: Get an end-to-end blueprint of outbound traffic over the global network and visualize the cause and the location of the issue impacting end-user digital experience.

Wi-Fi 7 monitoring: Validate the deployment of Wi-Fi 7 network with an industry-first Wi-Fi 7 hardware sensor with cellular capability.

Single glance network health monitoring: Understand how your campus or branch network works for end-users with just a single glance at the HPE Aruba Networking UXI Dashboard, and help ensure the SLAs and XLAs are meet.

Automatic triage: Capture intermittent issues as they happen and get to the root cause for rapid troubleshooting, IT teams can download the PCAP file for further analysis or go back in time up to 30 days to validate any network changes.

Data push destination: Create customer dashboard by sending test results and issue data captured by UXI to a destination that you manage. The current options are AWS S3, Google® BigQuery™, Elasticsearch®, Splunk® (beta), BigPanda® (beta), or you can set up a generic HTTP endpoint.

24x7 Monitoring with Dedicated Hardware Sensors

Run up to 20K tests per day: HPE Aruba Networking UXI sensor tests up to four networks and all the configured enterprise and web applications, running up to 20K tests per day, taking any guess work out of the picture.

Backup mobile connection: The fully managed onboard mobile connection provides connectivity to the UXI sensor when it cannot connect to Wi-Fi, cannot authenticate, or when the Wi-Fi backhaul is down.

Last gasp power backup: An array of supercapacitors provides backup power for the UXI sensor to notify you of the power issue, make sure the network is still up, and enter sleep mode gracefully.

Web application testing: Tests hop-by-hop user journey on different web applications by recording a user workflow using Selenium™ and uploading it to UXI Dashboard for testing.

In Depth Digital Experience Monitoring with UXI Agent

Run synthetic tests from Windows®, Mac®, Android™ device: The UXI agent empowers IT teams with unparalleled visibility into the end-user digital experience by providing deep insights into network, application, and device performance.

Device analysis: UXI agent provides added analysis into device performance by offering insights like PID, serial number, battery percentage, health status, temperature, IP address, and location to help IT rapidly troubleshoot issues.

User self-service portal for end users: When installed on laptops the agent provides a performance overview tab for end users that highlights network status and applications that are being tested and commonly asked device and network information by the IT teams such as OS, ISP, PHY Mode, MSC Index.

Rapidly Troubleshoot Help Desk Tickets Related to Network Issues on Zebra Devices

Run synthetic tests from Zebra® device: Deployed on handheld Zebra devices and continuously runs synthetic tests to monitor network and different configured applications. When the agent detects an issue, it goes into automatic triage mode to identify the root cause.

Roaming and voice analysis: Provides additional analysis into device VoIP call quality and roaming performance. Using 802.11mc, the agent also pinpoints the exact location (on a floor map) of Zebra devices affected by network or application-related issues.

Technical specifications	HPE Aruba Networking User Experience Insight Wi-Fi 7 Ethernet Sensor
Product Number	S4W52A
Wi-Fi antenna	802.11a/b/g/n/ac/ax/be 2.4 GHz, 5 GHz, and 6 GHz WLAN client radio with two spatial streams 802.11a/b/g/n/ac/ax/be 2.4 GHz, 5 GHz, and 6 GHz WLAN receive-only radio with two spatial streams
Regulatory	RED Directive 2014/53/EU
Warranty	1-year replacement warranty with 10-day shipment. See the warranty duration. Notes: Software support included with subscription Hardware support through HPE Aruba Networking Foundational Care
Connectivity, standard	Gigabit Ethernet 100/1000
Input voltage	802.3af Power over Ethernet (PoE)
Power consumption	12W
Mounting	Ideal placement on a wall mounting, pillar, and more, it is ± 4 to 5 feet (± 1.5 meters) off the ground 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
Ports	10/100/1000BASE-T, RJ-45

HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies, or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what HPE Services - Aruba Networking has to offer at: hpe.com/edge/services

Support Services

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

Professional Services

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from HPE Aruba Networking technology.

Project based services include:

— Planning, audit, and assessment
— Architecture review and design
— Deployment, migration, and knowledge transfer

Annual subscription services include:

— Network optimization
— Intelligent Operations
— Customer Experience Management

Our Education Services allow your team to come up to speed quickly.

GreenLake for Networking

Deliver innovative business outcomes by leveraging new ways to consume, deploy and manage networks.

For additional technical information, available models and options, please reference the QuickSpecs

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