DATA SHEET

USER-CENTRIC SERVICE ASSURANCE

With today's reliance on Wi-Fi for SaaS Enterprise and IoT applications, IT departments are facing new challenges to deliver the best user and client experience possible. To provide a consistent level of performance, Aruba's user-centric service assurance solution enables IT to proactively simulate real-world user and client experiences. It continuously tests network and connectivity performance in critical, high-value locations like office spaces, meeting areas and similar types of public venues.

Customizable test scripts and easy to deploy sensors help to ensure any wireless and wired agnostic network can handle the influx of mobile and IoT devices – while delivering the app responsiveness needed for worry free access. In addition, this allows IT to get in front of service issues before they occur.

HOW IT WORKS

The Aruba solution includes simple to deploy sensors, cloud-based data processing and an easy to learn web-based administrative dashboard that can be accessed from anywhere. It's ideal for any organization and IT team tasked with delivering the best possible network experience with their user's connectivity and app performance in mind.

THE PURPOSE BUILT SENSOR

Sensors can be placed within any area where users or IoT devices are located to reduce the time to identify and resolve application responsiveness and user experience issues. The sensor is placed at the same height where user's devices are placed or held, to run accurate simulated tests over Wi-Fi or Ethernet connections.

Tests can be set up for LAN and WLAN access, DHCP, DNS, authentication, captive portal response, cloud applications and internal applications. Installation of the sensor, even in extremely remote locations is easy, due to built-in out-of-band cellular connectivity for onboarding and setup. This reduces the time and effort normally required to go on-site, install, diagnose a problem and put a resolution into action.

UNIQUE FEATURES

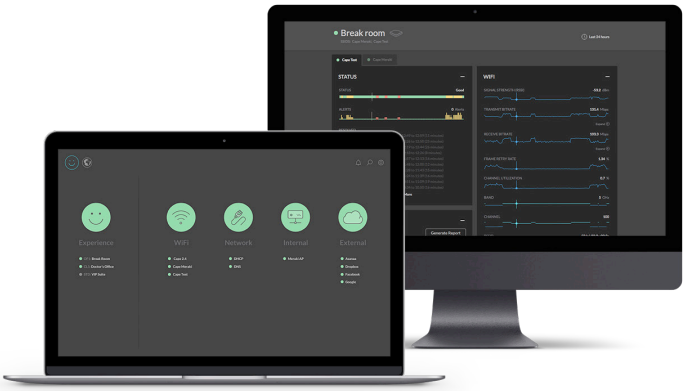
- Simple to use one-glance Wi-Fi app-performance dashboard and diagnostics
- Vendor-agnostic sensor for Wi-Fi and Ethernet service assurance
- Cellular connectivity for onboarding and troubleshooting
- Extensive test suite for Wi-Fi, LAN, DHCP, DNS, authentication, captive portals, cloud applications, and internal applications
- Cloud based dashboard with detailed diagnostics and insights
- Customizable thresholds for alert notification
- Alert integration with, email, SMS, Slack and PagerDuty
- Scalable to any number of sensors

CONFIGURATION AND VISIBILITY

The cloud-based data processing engine provides a robust and scalable model that allows IT to centrally configure and run Wi-Fi and wired tests from anywhere. Pre-configured templates or custom defined tests can monitor the most important apps and services. Tests can automatically ping a server to confirm responsiveness, or see how an application is performing before users encounter a problem.

The web-based dashboard is designed with simplicity and one-glance visibility in mind. It changes how an assurance dashboard should work. A unique, five-column traffic light model easily lets you see when things are working great and when they're not.

The status of each sensor, SSID, service and application being tested are highlighted under each of the traffic light icons. The location of each sensor can also be viewed. This provides IT a good understanding of overall user experience status, Wi-Fi connectivity and quality, core network services responsiveness, and the reachability of internal and external services. Smart notifications help keep you informed when you're on the run.



SPECIFICATIONS

Sensor Operating Mode

- Emulates a single client for wireless and wired testing
- Supports testing of multiple SSIDs

Electronic Security

- SSL encryption

Supported Interfaces

- 802.11 n/ac dual-band Wi-Fi (2.4 & 5 Ghz)
- Gigabit Ethernet 10/100/1000
- 3G/LTE connection for onboarding with full managed SIM and service

Power

- Power over Ethernet (PoE) – 802.3af
- AC adapter
- Power failover – array of supercapacitors for short-term connectivity

Mounting

- Wall and ceiling mounting bracket with screw-in option or adhesive backing for quick install (no-residue 3M Command Strips)
- Security fins to prevent the removal of sensor from mounting bracket

Note: recommend mounting near users, on a wall or pillar ±4-5 feet (±1.5m) off the ground

Mechanical

- Dimensions/weight (sensor, excluding mounting accessories):
  - 152 mm x 152 mm x 40 mm (W x D x H), 6 in x 6 in x 1.6 in
  - 318 grams, 11.2 ounces

Environmental

- Operating:
  - Temperature: +14° F to +113° F (-10° C to +45° C)
  - Humidity: 5% to 93% non-condensing
- Storage and transportation:
  - Temperature: -40° F to +158° F (-40° C to +70° C)

Reliability

- MTBF: 640khrs (73yrs) at +25° C operating temperature

Regulatory

- FCC ID: PPD-AR5B22
- FCC ID: QISMU609

For more country-specific regulatory information and approvals, please see your Aruba representative.

Warranty

- Aruba Hardware Limited Warranty (90 days)

ORDERING INFORMATION

Comprised of a physical sensor and software subscriptions. The subscriptions consist of a cloud/dashboard subscription and an optional Unlimited Cellular Subscription. When ordering a sensor, you must also choose a 1, 3, or 5-year software subscription for each sensor. The 5 MB per month of cellular supports setting up the sensor and dashboard connectivity to the sensor if WI-FI and Ethernet connectivity is lost.

The optional Unlimited cellular subscription provides customers with additional cellular service beyond the 5 MB per month allotted via the cloud/dashboard subscription. This optional subscription is recommended for locations when the cellular connection is needed to consistently send packet captures from the sensor to the cloud.

Deployment and Ordering Guidelines

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 the end-users and APs.

Guidance:

- One sensor for every five APs in a campus environment (i.e. Hi-Tech office space)
- One sensor per branch site (i.e. Retail store)
- One sensor per every 10 APs in a large public venue (i.e. Stadium or conference space)

Example order:

A customer is looking to purchase 5 sensors with 3-year subscriptions for cloud and dashboard access. No additional cellular subscription required:

- 5 x Q9X65A
- 5 x Q9X70AAE

ORDERING INFORMATION

Part Number	Description
Sensors	
Q9X65A	Aruba LTE Sensor (US-CAN)
Q9X66A	Aruba LTE Sensor (APJ-EMEA)
Q9X67A	Aruba LTE Sensor (APJ-LA)
Service Subscriptions	
Q9X69AAE	Aruba 1yr LTE Sensor Subscription + 5 MB Cellular Data E-STU
Q9X70AAE	Aruba 3yr LTE Sensor Subscription + 5 MB Cellular Data E-STU
Q9X71AAE	Aruba 5yr LTE Sensor Subscription + 5 MB Cellular Data E-STU
Q9X72AAE	Aruba 1yr LTE Sensor Cellular Data Unlimited Subscription E-STU
Q9X73AAE	Aruba 3yr LTE Sensor Cellular Data Unlimited Subscription E-STU
Q9X74AAE	Aruba 5yr LTE Sensor Cellular Data Unlimited Subscription E-STU

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