ZEBRA

AZARA

**RISE TO THE CHALLENGE OF PROVIDING SUPERIOR
CONNECTIVITY & WLAN MANAGEMENT**

Freedom from the unpredictability of providing connectivity

Today, mobile devices outnumber the total population of planet Earth and by 2017 there will be over 10 billion mobile devices in use around the globe.* The world's thirst for connectivity shows no signs of slowing down; the demand on enterprise networks to be fast and reliable has grown immensely. Businesses, big and small, are now challenged to quench that thirst and are dealt new sets of hurdles including higher capital investments, unpredictable expenses, slower deployments, lackluster connectivity, and scalability issues.

Between 2014 and 2015 alone, the number of **enterprise-devices** being managed has **increased by 72%**.**

SO HOW CAN BUSINESSES ANSWER THE CALL FOR FASTER, MORE RELIABLE CONNECTIVITY?

Choosing the cloud as a solution

Cloud-based networking is a viable management alternative to solve the issues companies face when challenged by the influx of more and more traffic. But what is "Cloud-based networking" and how can it help your business?

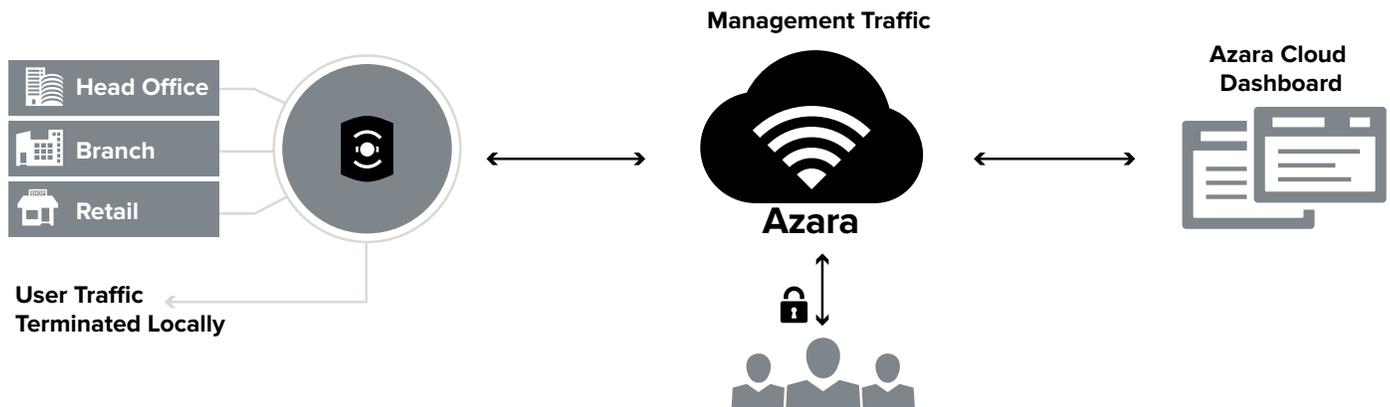**By choosing a cloud-based network, businesses have access to:**

Connectivity with **reduced hardware** and software investments

Easy-to-use configurations – IT resources unburdened from day-to-day management

Simple implementation of consistent policies across networks

Head Office

Branch

Retail

User Traffic Terminated Locally

Management Traffic

Azara

Azara Cloud Dashboard

Azara frees businesses from the complexity of connectivity

To be competitive, today's businesses need to connect employees, customers, devices, sensors, equipment, and more - effortlessly. But the question is, where can you find worry-free, trouble-free, and headache-free connectivity? Is simple, robust wireless connectivity with predictable costs and low maintenance achievable?

Today, Zebra delivers freedom from the connectivity challenges that have been plaguing businesses large and small. This freedom is called **Azara**, a state-of-the-art cloud-managed solution for the enterprise with zero-touch setup and deep visibility into everything on the network. Azara utilizes intelligent access points (APs) which manage devices and applications to provide the best possible performance and user experience. Our enterprise-grade access points run many of the world's most powerful wireless networks, ensuring the highest quality of service, "always on" availability, and performance — on the cloud or on-premise. Because wireless access is the point.

Flexibility? Azara delivers that, too. Scale as needed. Pay annually and keep costs predictable. Trade in rigidity for resiliency, technical complexity for site survivability, and the demands of running a network for the demands of running a successful business. Be set free from the complexity of connectivity with **Azara**.

Key benefits of Azara

- Provides an enterprise wireless LAN cloud management solution, as well as enterprise-grade access points - built from the ground-up to deliver uncompromised performance

- Supports flexible infrastructure to provide unlimited scalability

- Delivers fast automated deployments, configuration, and setup

- Leverages Zebra's WiNG 5 architecture which supports intelligence at the edge for controller-less cloud deployments

- Maintains optimal coverage and performance powered by Smart RF

- Enables enterprise asset intelligence and deeper visibility into the network

- Hosted at SAS70 Type II certified data centers

Bringing the power of WING 5 to the cloud

Azara extends the WiNG 5 architecture to combine the proven functionality of Zebra's enterprise-grade WLAN with the simplicity and flexibility of managing WLAN infrastructure from the cloud. Along with a true enterprise-class network which is scalable and reliable; Azara also:

Supports the intelligent edge for controller-less deployments powered by Smart RF technology for optimal WLAN coverage

Provides highly resilient site network survivability – no degradation of services in the event of WAN failures or loss of connectivity to the cloud infrastructure

Offers reliability and optimal performance for business-critical deployments and high-density environments

Allows access to all the network analytics of Zebra NSight platform - including troubleshooting features integrated into the cloud

Delivers control functionalities to every access point at the network edge - coordinated locally by the RF Domain Manager - for centralized management and distributed enforcement

Because access is the point

The freedom of Azara is possible because of Zebra's enterprise-class access points (APs) with built-in intelligence. These APs deliver the highest quality, availability, and performance — on the cloud or on-premise. Azara takes access to a new level:

- Supports all Zebra enterprise-grade 802.11ac access points and switches

- APs can be managed centrally and each connects to Azara through a secure tunnel (secured via SSL) over the Internet

- APs can scale to thousands without limits on throughput and out-of-band management - and eliminate controller bottlenecks

Four SKUs available – one for every need:

PERFORMANCE

AP 7532
The ideal access point for high-performance, big capacity and security

AFFORDABLE

AP 7522
The most affordable access point with the latest high-performance dual radio 802.11ac at an 802.11n price point

SPECIALTY

AP 7502
This compact access point is 40% smaller than its nearest competitor, but still delivers big performance

OUTDOOR

AP 7562 –
The quintessential access point for the harsh outdoor environments and challenging sites

Azara dashboard – setup, monitor, maintain, and troubleshoot with ease

Azara includes a powerful network management tool that allows administrators to access network controls from anywhere - all they need is a connection to the internet. Configure, monitor, and manage multiple site networks from the unified dashboard:
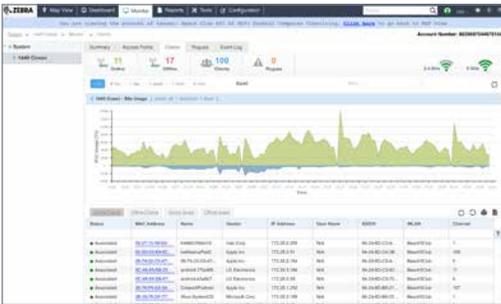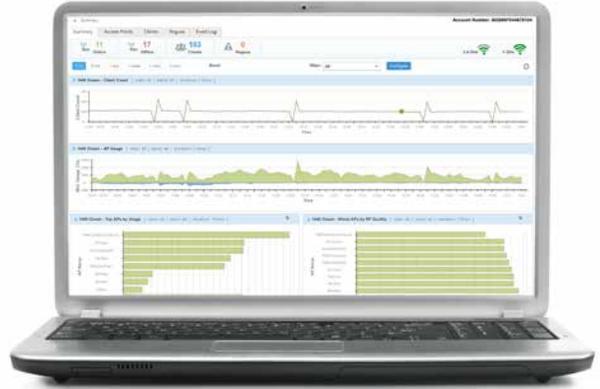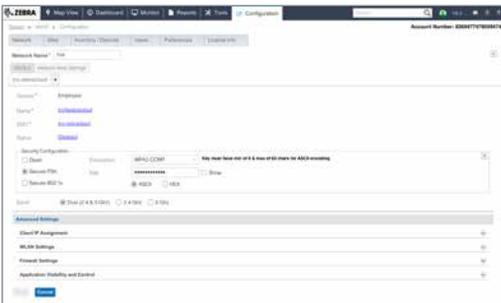
REAL-TIME VISIBILITY & TROUBLESHOOTING:

- Utilize powerful monitoring and troubleshooting tools for the entire network in a single pane of glass - available in the cloud dashboard
- Provide real-time monitoring dashboards for insight and visibility into devices, clients, and applications on the network
- Create custom dashboard views of the analytics based on user organization roles such as helpdesk, network administrator, and CIO

APPLICATION VISIBILITY, CONTROL, & OPTIMIZATION:

- Every Zebra Azara access point supported on the cloud includes an embedded Deep Packet Inspection (DPI) engine which can detect thousands of applications real-time
- Azara dashboard provides real-time visibility and in-depth insight into every dimension of the network including Layer-7 application visibility and client devices, as well as OS types and users
- At a glance, the administrator can discern the top applications by usage or by count at every level of the network - from site level to access points and clients
- In addition to detection, firewall, and QoS, application analytics can be leveraged to enforce policies; prioritize business-critical applications and block others based on IT policy to improve overall wireless network performance

ADVANCED TROUBLESHOOTING:

- With the Azara dashboard, an administrator can monitor critical parameters of the entire network in real-time, visualize trouble spots, and drill down to examine additional RF statistics
- Complete visualization allows admins to pinpoint an issue and proactively react to resolve a problem before it has a major impact on network operation
- Azara cloud dashboard is packed with extensive tools like packet capture and wireless debug to further analyze and remediate the problems
- Azara's custom dashboard interface allows the network administrators to create dashboards on the fly to monitor in real-time and share all critical parameters of an access point or client under suspicion

An infrastructure based on your needs

Azara is built on secure, scalable, and highly available public cloud infrastructure that is continuously monitored for optimal performance.

HIGH AVAILABILITY/REDUNDANCY

Azara's cloud infrastructure is built on a public cloud infrastructure and supports major regions across the globe:

- Azara cloud services are provided from the nearest available region; varies per geographical location of your sites and data residency requirements
- Redundant services are deployed across multiple data centers to achieve high availability within each region
- Service is backed by 99.99% cloud platform and application uptime

UNLIMITED SCALABILITY

Azara is built to scale and be elastic:

- Built-in architecture controls allow for scaling resources and spawning additional instances to meet the demand
- Our Dev-Ops team continuously monitors the performance and traffic patterns of the infrastructure and can scale resources to meet any predictable or unpredictable spikes

INCREASED SECURITY

Protected by perimeter firewall and IPS that prevents unauthorized access to any resource in the infrastructure, systems and applications are continuously monitored for any perceived or actual security breaches and configured to alert the Security and Dev Ops team:

- QoS policies can leverage the application context to enforce policies, prioritizing business-critical applications and blocking others based on IT policies to improve the overall performance of the wireless network
- Updates to the cloud infrastructure are subject to stringent vulnerability scans
- Periodic penetration tests are performed regularly on the infrastructure
- No user data traffic passes through the cloud, there are secure tunnels between the end points and cloud infrastructure, and Azara is PCI and HIPPA compliant
- Azara dashboard supports two-factor authentication, fine-grained control, and access restrictions based on IP addresses and other attributes - preventing unauthorized users from accessing the account

* Source: http://www.radicati.com/wp/wp-content/uploads/2014/01/Mobile-Statistics-Report-2014-2018-Executive-Summary.pdf
** Source: https://www.citrix.com/articles-and-insights/workforce-mobility/jun-2015/7-enterprise-mobility-statistics-you-should-know.html

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