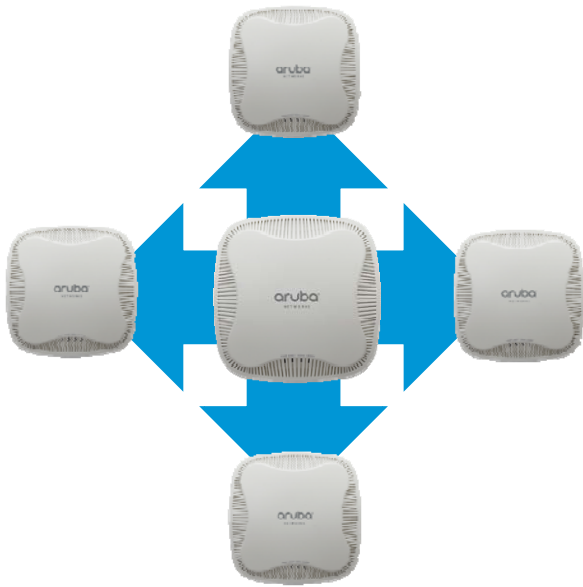


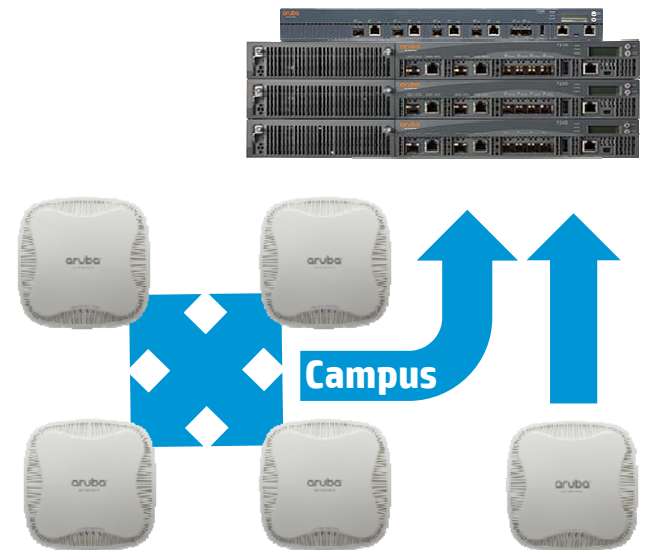
Instant Access Points

Flexible Deployment

Aruba Instant (Cluster) - Default



Controller



Monitoring

- Performance
- Usage
- Security
- > **AppRF**
- Potential Issues
- WLANS
- Access Points
- Clients
- AirGroup
- Voice/UCC

AppRF Summary

Application = Facebook (20% of total traffic, 70/350 Mbps)

Block Throttle QoS

Application Groups

Chart Table



Details

Throttle Application Facebook

Bandwidth contract for Facebook:

Upstream limit: Mbps

Downstream limit: Mbps

▼ Show bandwidth contract table

OK

Cancel

WLANS

Chart Table

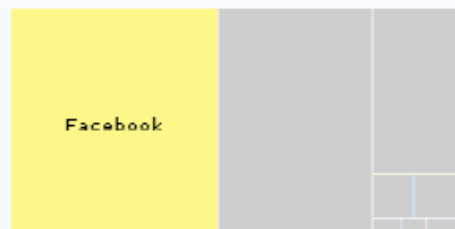


Guest users

Details

Applications

Chart Table

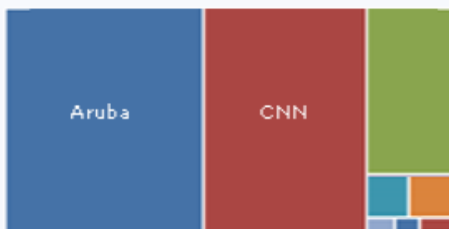


Remove filter on Facebook

Facebook users

Destinations

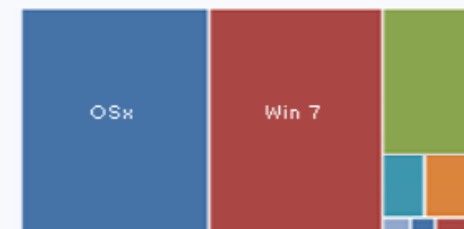
Chart Table



Details

Devices

Chart Table



Details

Monitoring

- Configuration
- Diagnostics
- Maintenance

Performance Improved with ClientMatch™

REAL-TIME RF CORRELATION



DEVICE TYPE



LOCATION



CONGESTION



INTERFERENCE

Match to
another AP

Patent: 8,401,554

**Enables use of
802.11ac Wi-Fi
rates**

- **98%** of mobile devices with higher signal quality
- **94%** better performance for “sticky” clients
- No client-side software required

Application visibility and control



On-Board DPI

- Depth - common apps
- Enterprise traffic



Cloud-Based Web Policy Enforcement

- Breadth - less common apps
- Web traffic



GRANULAR VISIBILITY & CONTROL

- | | |
|---|-------------------------------------|
| <input type="checkbox"/> App category | <input type="checkbox"/> Allow/deny |
| <input type="checkbox"/> Individual app | <input type="checkbox"/> QoS |
| <input type="checkbox"/> Web category | <input type="checkbox"/> Throttle |
| <input type="checkbox"/> Web reputation | <input type="checkbox"/> Log |
| | <input type="checkbox"/> Blacklist |

- Prioritize business critical apps



- Block inappropriate content

- Enforce per user/device/location



Cellular calls hit enterprise networks with “Wi-Fi Calling”



Cloud-based Aruba Central

Public cloud subscription

Enterprise management

Remote monitoring and troubleshooting
Central configuration and firmware management
Compliance records and historical data
True zero touch provisioning

One interface

Multiple sites
Multiple clusters in a single site

Comprehensive e-Support and community



FASTEST NETWORK DEPLOYMENT



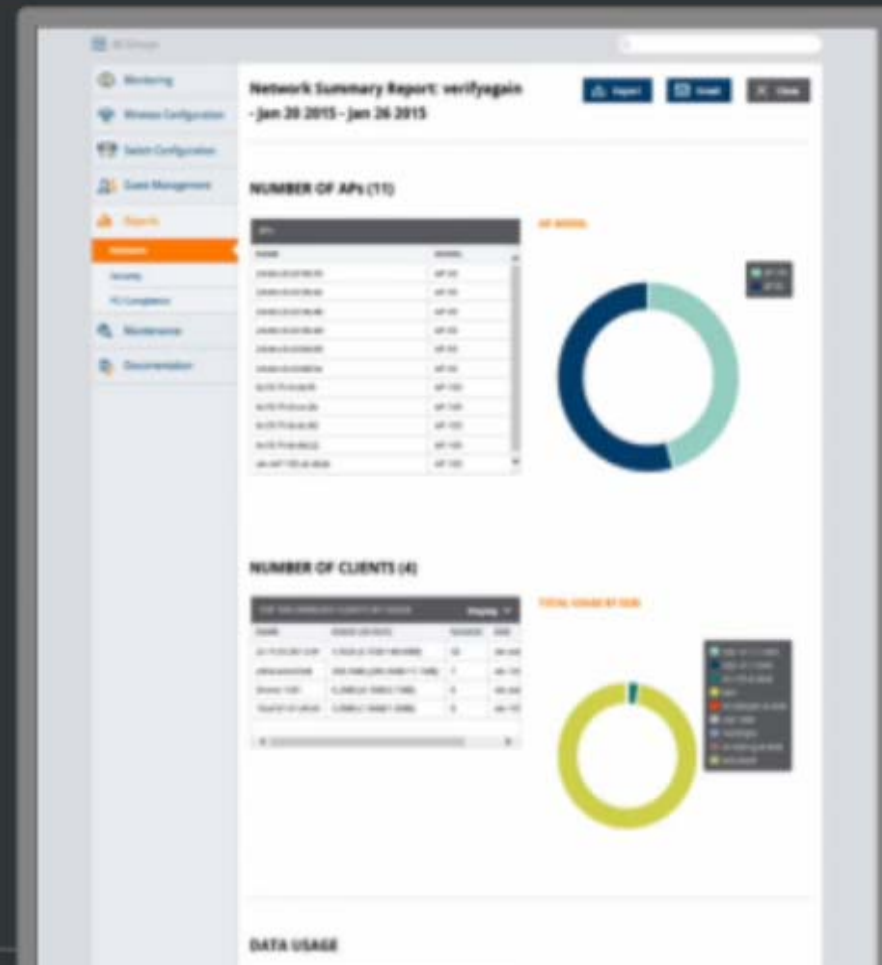
REPORTING

NETWORK & SECURITY

Rogue & intrusion detection, Devices, Data usage, PCI compliance

LOW-EFFORT MONITORING

Predefined snapshots & scheduled reports



GUEST WI-FI MANAGEMENT

GUEST ACCESS OPTIONS

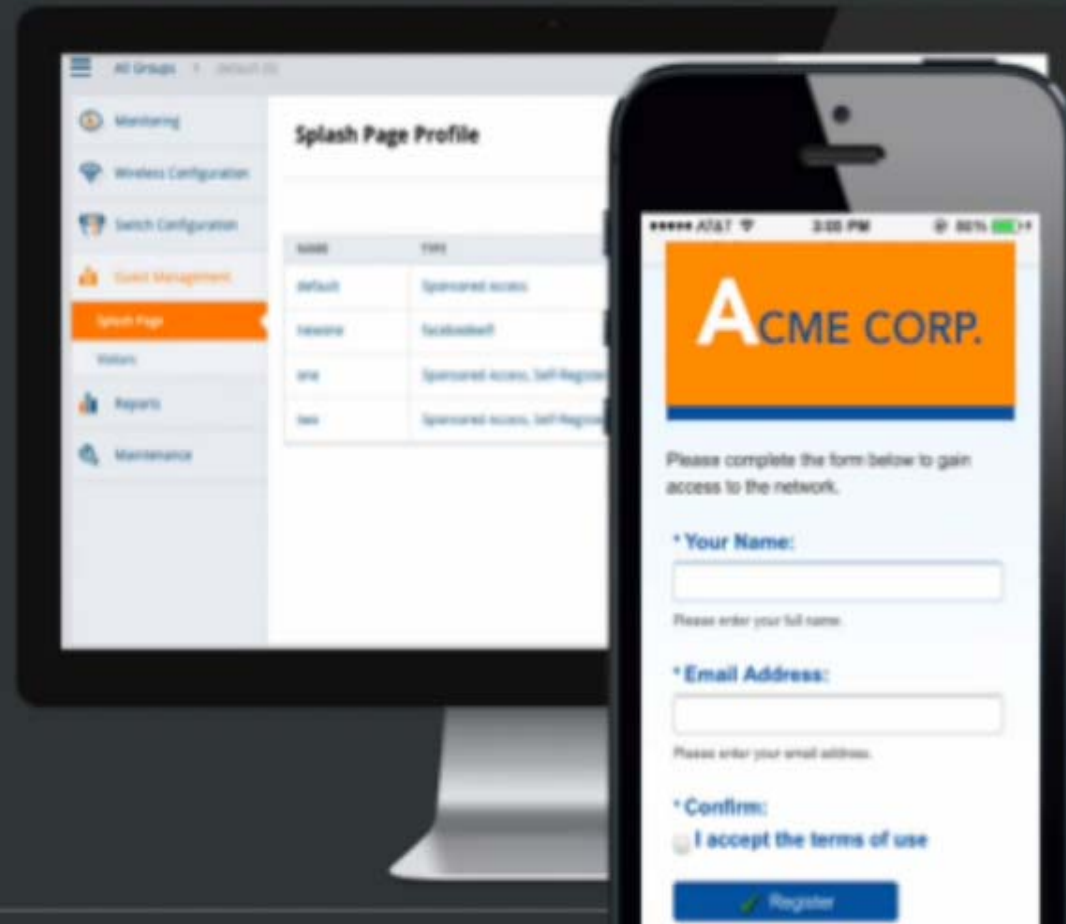
Anonymous login, Self-registration, Social login, Facebook Wi-Fi

CUSTOM CAPTIVE PORTALS

Logo, background, colors, image, welcome message, terms & conditions, in-page ads

FULLY INTEGRATED

No additional cost



On-Prem Management with Aruba Airwave



MULTIVENDOR

USER EXPERIENCE

VISUAL RF

Flexible management choices



	Instant Local Management	Central	Airwave
Deployment	n/a	Cloud Management as a Service no hardware, no software	On-site
Management	Decentralized Instant Clusters	Centralized Management Instant APs, multiple sites, multiple clusters	Centralized Management Instant & ArubaOS APs, Third-Party Wired & WLAN
Advanced Capabilities	Simple Guest Wi-Fi	Guest/Visitor management with custom captive portal	VisualRF, advanced reporting alerts & customizations
Pricing	Free	No upfront costs Subscription per AP - 1/3/5yr Tech Support included	Lower recurring costs Perpetual SW license per AP/Switch + recurring annual maintenance + HW (optional)

Securing GenMobile

1 in 3



of workers admit to having lost data due to the misuse of a mobile device

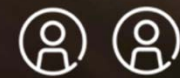
6 in 10



share their work and personal devices with others regularly

The age bracket with the highest propensity of data and identity theft are employees between

25-34 years old





Understanding GenMobile reduces security risk

87% of employees think
their IT departments will keep them protected

Aruba's Running The Risk survey results

Mobile Policy Definition with Aruba ClearPass



Multi-vendor
policy
enforcement



Multi-vendor
security systems

ClearPass Exchange Program

FORTINET

 **MobileIron**

 **Check Point**
SOFTWARE TECHNOLOGIES LTD.

aruba
NETWORKS
an HP company

 **airwatch**
by vmware

 **paloalto**
NETWORKS



CITRIX

ArcSight
An HP Company

BROCADE 

splunk >



IBM  **Radars**

JUNIPER
NETWORKS



**you can start creating
real business value**



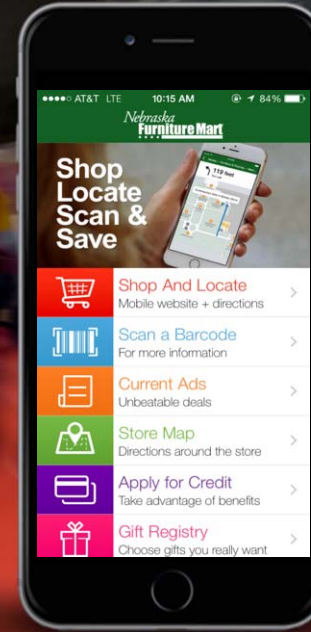
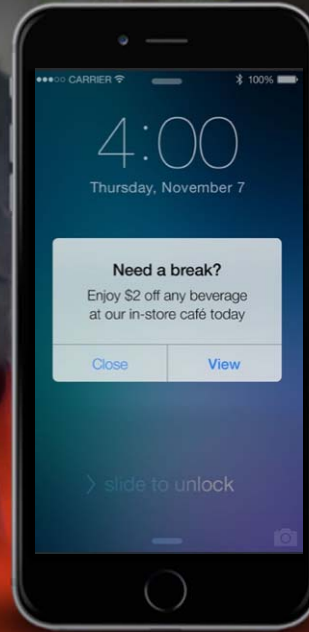
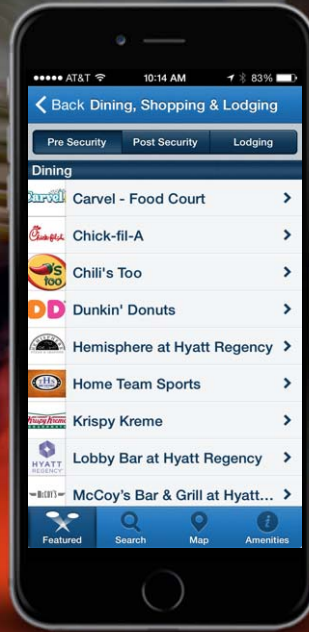
They drive the way we work and play

Mobile app market
climbed over **\$26B** in 2014

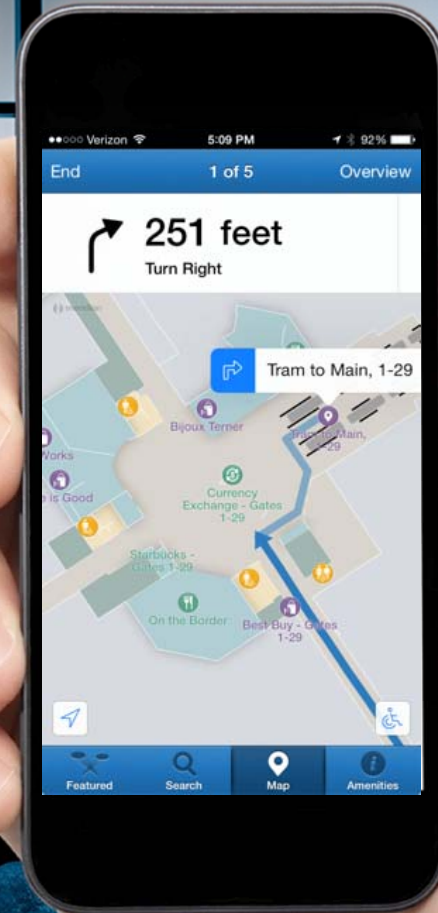
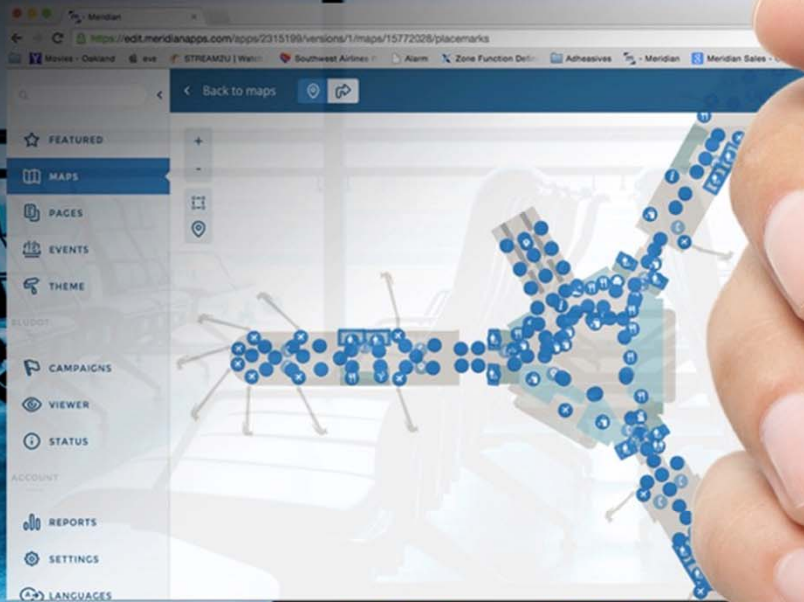
269B+ downloads
per year by 2017

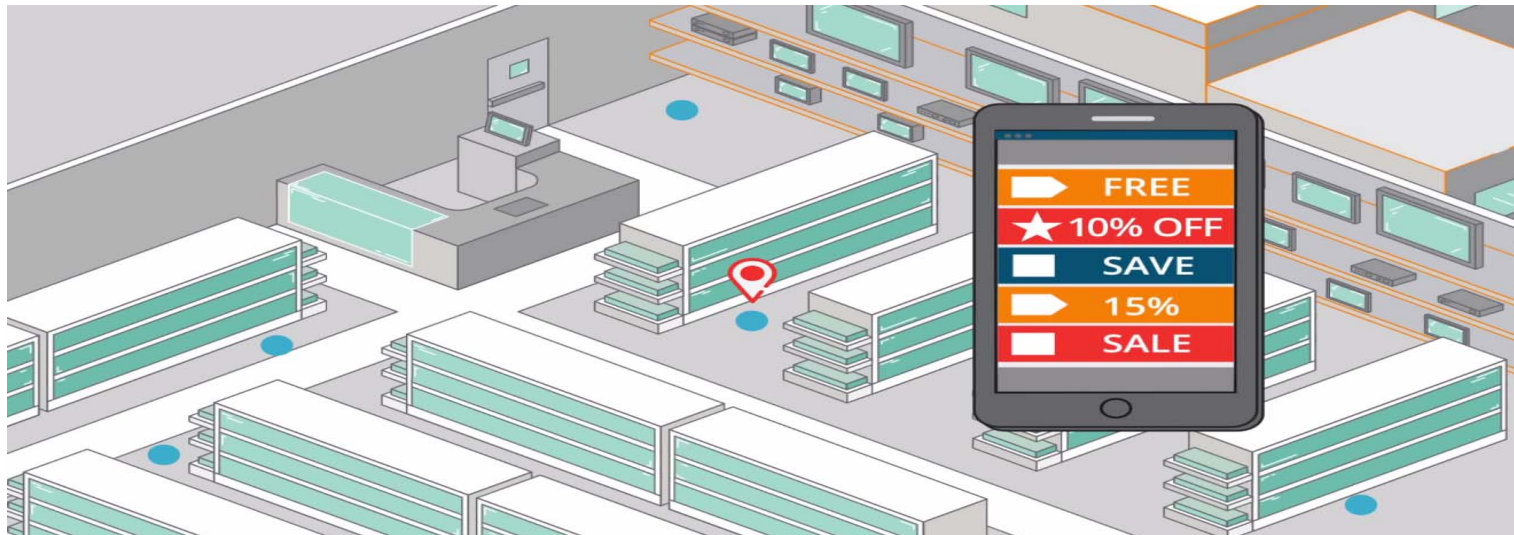


Brands and enterprises starting to take advantage



Location Redefining Our Experiences





Managed BLE beacon infrastructure for indoor mobile engagement



Battery powered
Bluetooth Low Energy (BLE)
Aruba Beacons



Aruba 802.11ac Wave 2
with integrated beacon



Aruba Meridian
mobile app and beacon
management platform

Wi-Fi analytics to fuel decision making

- Traffic Flow
- Dwell Time
- Zone Analytics





San Francisco 49ers Levi's Stadium Wi-Fi for the Record Books

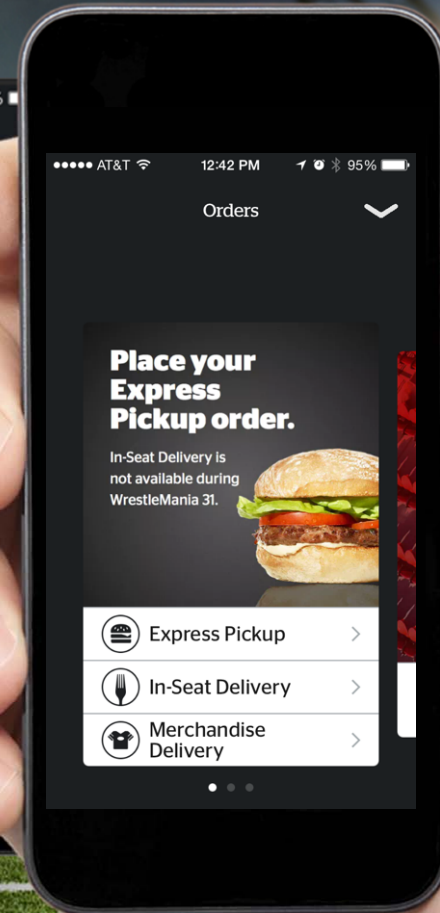
30,000
unique users

3.3 TB
offloaded

A memorable fan experience

\$1M+ revenue boost with stadium mobile app purchases

10 times growth in marketing user database



Profiling and automated access for IoT

Aruba AirGroup for location and role based access to Apple Bonjour, DLNA
Aruba Wi-Fi across the 310 acres (1.25 sqkm) campus with 150 buildings

Yale

Better digital experience for visitors

Zero-touch deployment of Wi-Fi access points from the cloud

Customized guest access portal with centralized visibility and controls



Foundation for tailored marketing campaigns

Role based content filtering and access control for Wi-Fi users

Guest access management at 600 stores across Australia & New Zealand

1-to-1 mobile device roll-out to 650,000 students

L.A. Unified School District: 3rd largest in United States

Automated device onboarding with MDM integration & 802.11ac Wi-Fi for high density classrooms



Elevating the patient experience

#1 US Children's Hospital (*US News and World reports*)

Indoor ADA compliant wayfinding with a patient facing mobile app



**Boston
Children's
Hospital**

Until every child is well™





Zero complaints with gigabit Wi-Fi

All-wireless access for staff, guests, point of sale and digital signage
Future: IPTV, online gaming, music streaming, smart room controls



Lufthansa Technik

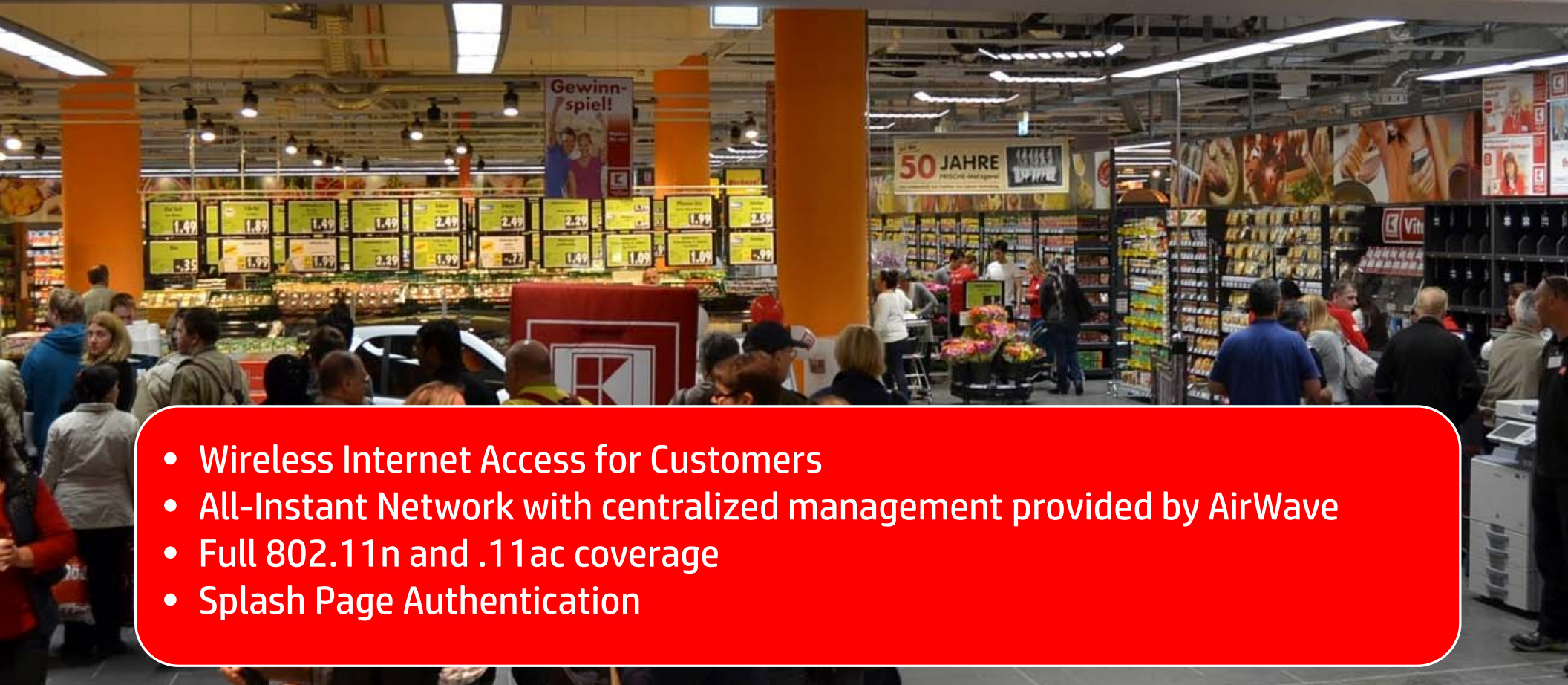
Original Equipment Innovation

- Aviation qualified ruggedized access point
- Powered by Aruba Networks
- Simultaneous dual radio operation (1x 802.11 b/g/n, 1x 802.11 n/a/ac)
- First aircraft access point with 802.11ac standard (1.3 Gbp/s for ac-radio)
- Backwards compatible to 802.11a/b/g/n standards (450 Mbps per n-radio)
- Qualified to DO-160G
- Wireless Intrusion Detection/Prevention System (WIDS/WIPS)
- Smaller than ARINC 763 and smaller than next ARINC 628
- Full control by machine to machine (M2M) command line interface
- ARINC 836 Modular Rack mountable
- 115 V AC, variable frequency 360-800 Hz (28 V DC available on request)





Herzlich willkommen!



- Wireless Internet Access for Customers
- All-Instant Network with centralized management provided by AirWave
- Full 802.11n and .11ac coverage
- Splash Page Authentication



- 2G/3G/LTE data offload using Aruba in and outdoor Access Points
- EAP-SIM Subscriber Authentication
- 1.73M Active Client Devices
- Active since 2010

Let's help you embrace cloud and mobile...





**Thank
You**

A collection of words for 'Thank You' in various languages and scripts, including: Vinaka, Dank Je, Blagodaram, Ngiyabonga, Juspaxar, uthon, Ua Tsang Rau Koj, Bedankt, Dakujem, Grazas, Hvala, Welalin, Danke, Merci, Go Raibh Maith Agat, Salamat, Shukria, Dhanyavadagalu, Maake, Asante, Maanra, Dankon, Biyan, Chokwane, Arigato, Gracias, Kia Ora, Kop Khun Khap, Paldies, Tingki, Gratiastibi, Obrigado, ありがとう, Djiere Dieuf, Eskerrik Asko, Najis Tuke, Matondo, Taiku, Tack, Grazie, Mochchakkeram, Diolch i Chi, Terima Kasih, and many others.