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aruba

a Hewlett Packard Enterprise company









Building the Campus for the Experience Edge The Interaction of People, Places, and Things

Uninterrupted experience
Optimized Gigibit connectivity for user, device, and environment
Automated and simplified IT operations







Higher Education Challenges

INSTITUTIONAL

Student Success
Attracting and Retaining Students
Perception of degree low ROI
Student security and safety
4-year Graduation Rate

IT AND APPLICATIONS

Network and Data Security
Data Analytics for Student Success
Accelerating Services
Adaptability, Scalability, Customization
Disparate IT Groups

Can You Afford Not to Deliver Stable Wi-Fi?

dear barry university, your wifi simply sucks. Sincerely, a frustrated college student trying to study

I'm glad I denied a
University
IT job offer - these guys
can't even get wifi
working right on most of
the campus.



Student Success Requires an Informed, Reliable and Smart Network

#GenMobile Undergraduate Student Statistics

85%

want a tech savvy university⁴

25%

want data-driven personalization for academic success⁴

81%

connect two+ devices simultaneously⁵



The Higher Education Solution

Unmatched network assurance

Easy automation, control, integration

Faster detection, diagnosis, and resolution

Immediate visibility into what's happening

Infrastructure Campus AP Access Remote AP

Beacons

Core / Agg

Controllers







Aruba Connection to Always On Connectivity

Students say connectivity issues are the #1 impact on academic success1

Uninterrupted high bandwidth connectivity while roaming or in dense environments

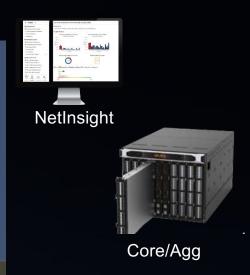
Built in intelligence to prioritize learning apps

ClientMatch | AirMatch | AppRF | Smart Rate



Know about issues before students
Optimize poor performing buildings
Use network data to support campus initiatives

Machine Learning | Network Analytics



Empower students with self-serve features

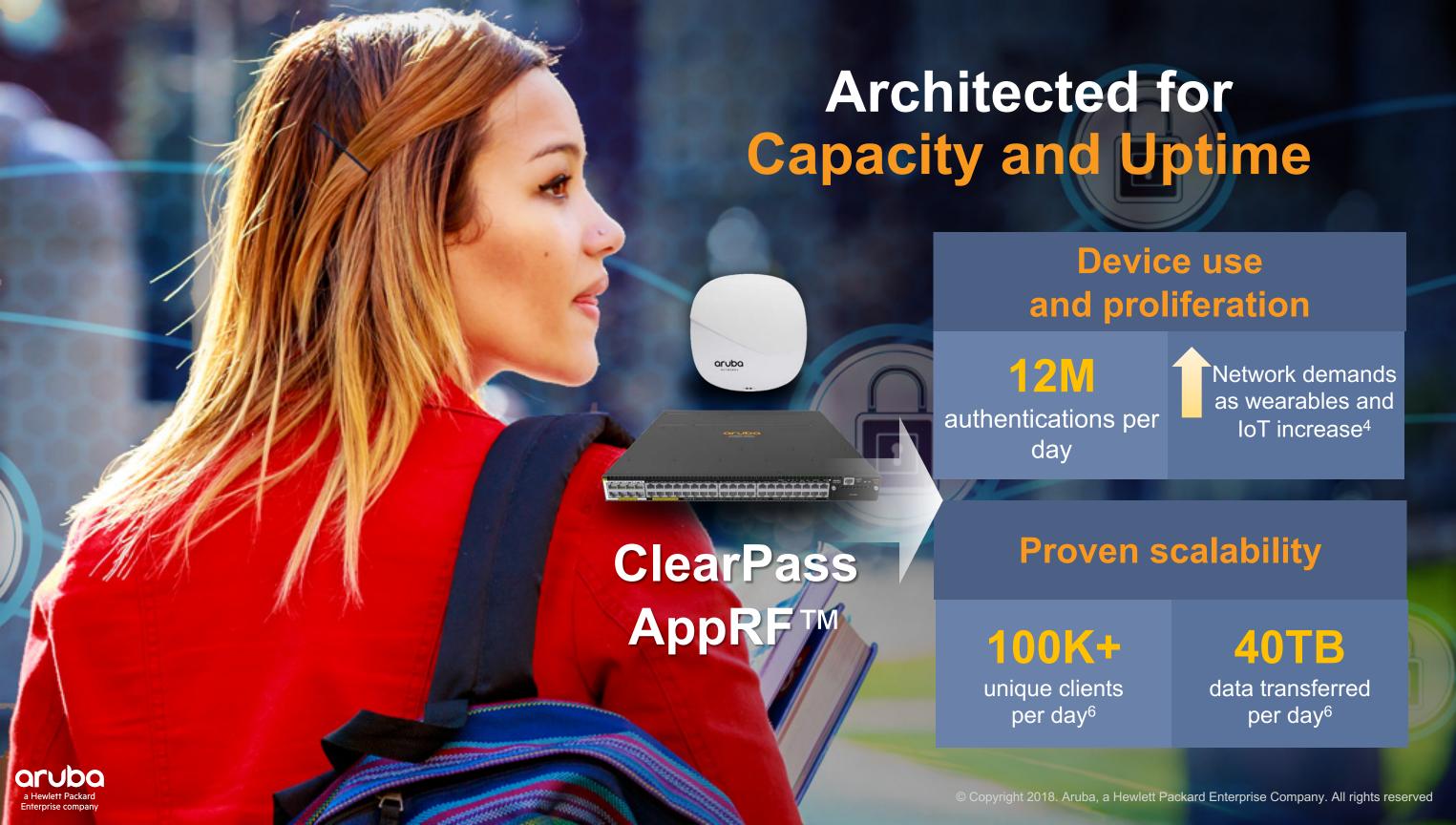
Proactive discovery of RF/non-RF issues

Personalize student experience and enable smart classrooms

3rd Party Integration | Multi-Vendor Insights | Location Aware Intelligence







Aruba Connection to Security

#1 Higher Education IT Issue for 2018 is Information Security²

User-level awareness of all traffic (Device types and app flows) Differentiated access for student, staff, guests, and IoT

Automatically segment traffic to the correct location (Academic – Facilities – Public)













Machine learned analytics to respond to risk





Deployment Flexibility for All Locations



Satellite Campus Wi-Fi with built-in controller

Main Campus

Controller-based centralized encryption with advanced services at scale

Remote Staff

Virtual Intranet Agent and Remote APs





Students roam with consistent user experience

Right-size infrastructure for environment and budget

Reduce IT workload with simple and consistent management tools



Pulling it all together Mobile First Architecture

Faster detection, diagnosis, and resolution



IVIAITE



Policy Management



User and Entity
Behavioral
Analytics



Cloud Networking Easy automation, control, integration

Unmatched network assurance





Network

Optimization

Network Management



Core



Access

Aruba 8400



Location Analytics





Network Controls















Aruba Mobile First Ecosystem

Best in Class Community

Aruba Ecosystem



Partners

Partnering Across IT, Security, Apps, Business Solutions, and Services



Technology

Partners

Airheads and

Developers





























The. University of Akron











Tulane University







Oregon State









KIIT UNIVERSITY



OMAR DENGO





CERTUS

Tu nueva vida te espera









THE UNIVERSITY of

NEW MEXICO





University of Kentucky











PennState.

























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ILLINOIS







Improve Wi-Fi Security, Coverage and Performance

Aruba Solutions: Aruba 801.11ac APs, 7200 Series Mobility Controllers, 5400R Switch Series, ClearPass Policy Management, and AirWave Network Management



- Improved Wi-Fi security and coverage
- 50% Wi-Fi performance increase
- Poor coverage library complaints reduced from dozens per month to zero
- Enables future technologies leveraging built in Bluetooth beacons
- Streamlined operations via HPE core, edge, and Wi-Fi solutions





Superior Performance

Aruba .11ac Wi-Fi, ClientMatch: Complete campus-wide .11ac infrastructure maximizing devices/AP matching

AirWave: End-to-end management (23 buildings + outdoor)

One of the top 20 comprehensive universities in the U.S.

"With the Aruba 802.11ac infrastructure, we can see a direct link between the performance and ability to support teaching and learning."

Peter Quan, Vice President and Chief Technology Officer





Innovative Classroom Instruction

Aruba .11ac Wi-Fi, AppRF: Real-time proctored testing

ClearPass: Advance policy services for tablet app based learning

"A robust Wi-Fi network enables classroom innovations (app-based learning, shared communications, on-the-fly presentations, quizzing and testing) for improving student learning."

Bret Wood, Professor

