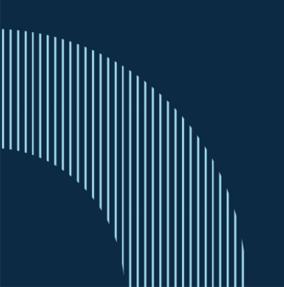
The Dating Game between Hospitality Technology









About Me

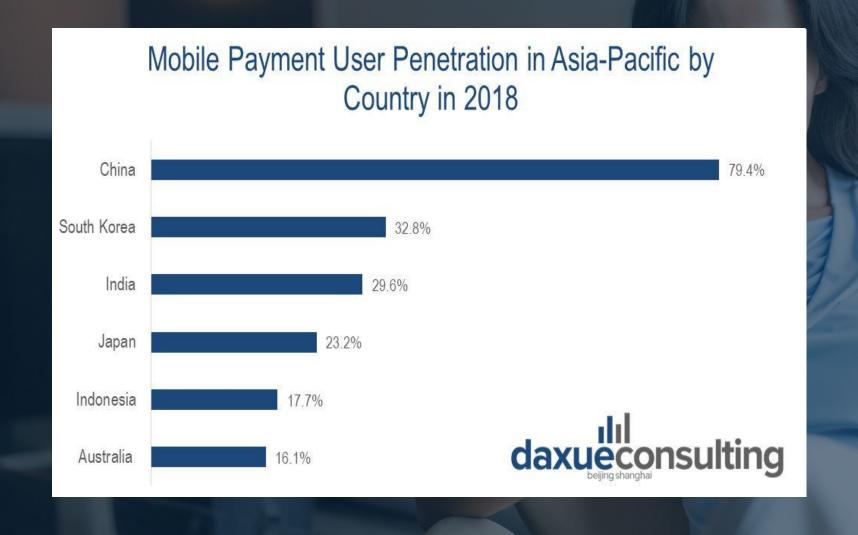


Tee Chong (TC), Lee

Regional CSE for Hospitality, APJ

- Companies: Mediaring, ANTlabs, DMX, Colubris, HP, Ruckus, Aruba
- Total 25 years technology experience: voice & video, software development, web application development, network management and wireless LAN.
- 14 years in design, deployment and troubleshooting of wireless networks in various verticals: hospitality, service provider, education, transportation.
- Singapore IDA and CHTA workgroup on WiFi Best Practices.
- Conduct seminars, workshops, training and demos and Atmosphere Tech Playground.
- Hospitality Brands and partners engagement, training and education

- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage





- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage

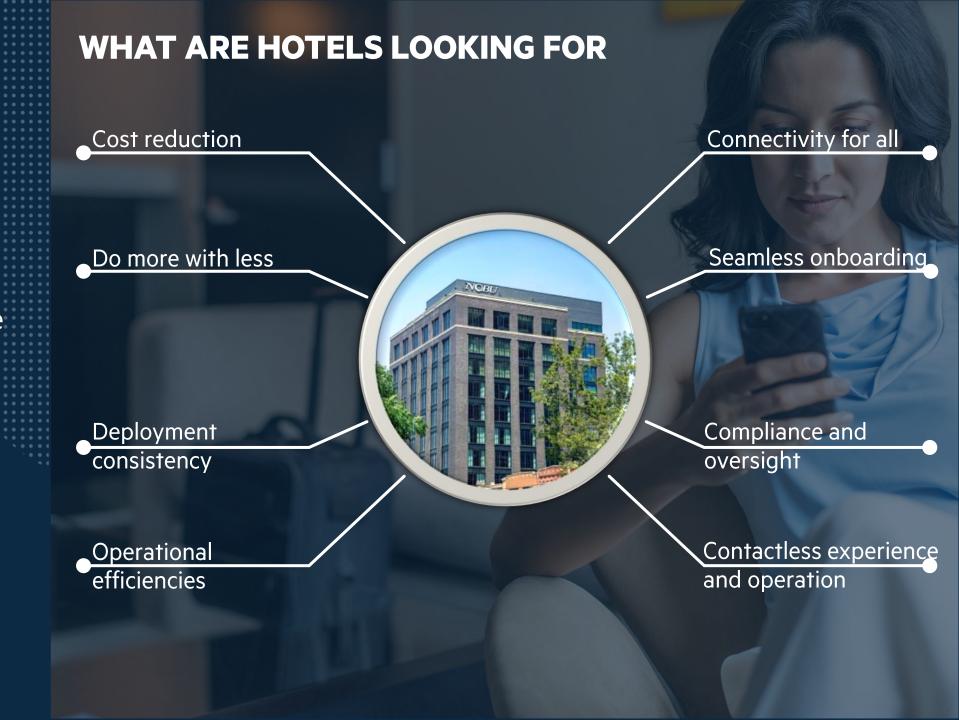








- Before COVID19
- After COVID19
- **The New Normal**
- The Aruba Advantage



- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage

NEXT GEN NETWORK

Aruba Edge Services Platform





Zero Trust Security

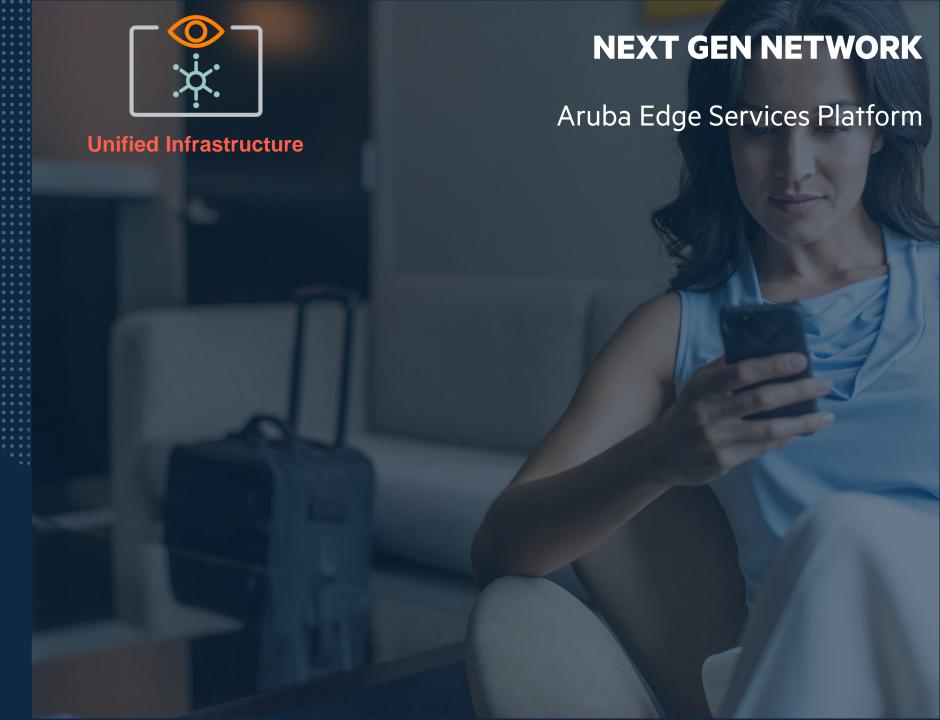


Unified Infrastructure





- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage





- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage



NEXT GEN NETWORK

Aruba Edge Services Platform



IOT network

Multiple networks

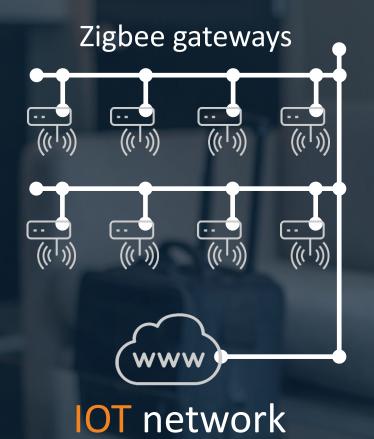


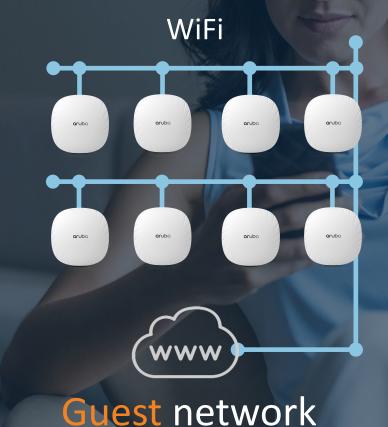
- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage



NEXT GEN NETWORK

Aruba Edge Services Platform





Multiple networks

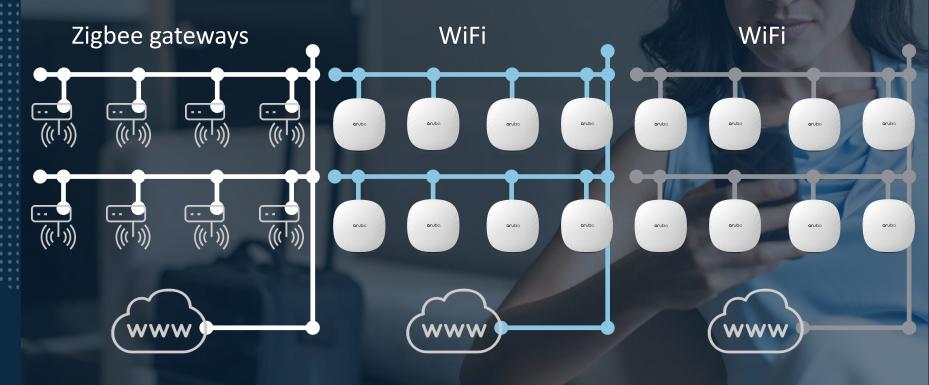


- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage



NEXT GEN NETWORK

Aruba Edge Services Platform





Guest network

Admin network



Multiple networks

- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage



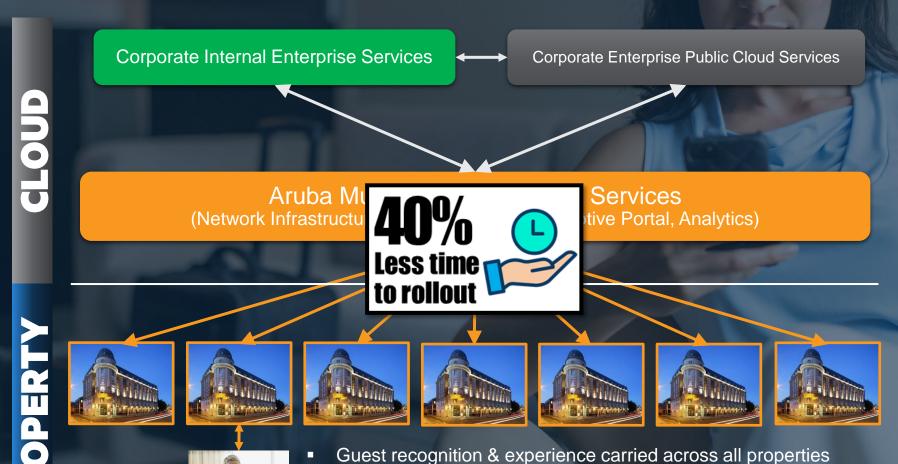


- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage



NEXT GEN NETWORK

Aruba Edge Services Platform



Faster deployment

Deployment consistency Compliance & oversight



- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage



Unified Infrastructure

NEXT GEN NETWORK

Aruba Edge Services Platform

Network as a Sensor: Timeline of guest behavior on property



- Targeted marketing
- Contact tracing
- Social distancing compliance



Sequence	Activity	Day	Time	Dwell	Sensor
1	Arrival In Valet	1	6:00 pm	2:00	Wi-Fi
2	Front Desk	1	6:02 pm	6:00	BLE Beacon
3	Guest Room	1	6:10 pm	40:00	Wi-Fi, Zigbee
4	Restaurant	1	7:00 pm	60:00	BLE Beacon
5	Guest Room	1	8:15 pm	10:15:00	Wi-Fi, Zigbee
6	Fitness Room	2	6:30 am	1:10:00	Wi-Fi
7	Guest Room	2	8:30 am	40:00	Wi-Fi, Zigbee
8	Restaurant	2	9:15 am	60:00	BLE Beacon
9	Gift Shop	2	10:30 am	15:00	BLE Beacon
10	Guest Room	2	10:50 am	30:00	Wi-Fi, Zigbee
11	Departure	2	11:30 am		Wi-Fi





- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage

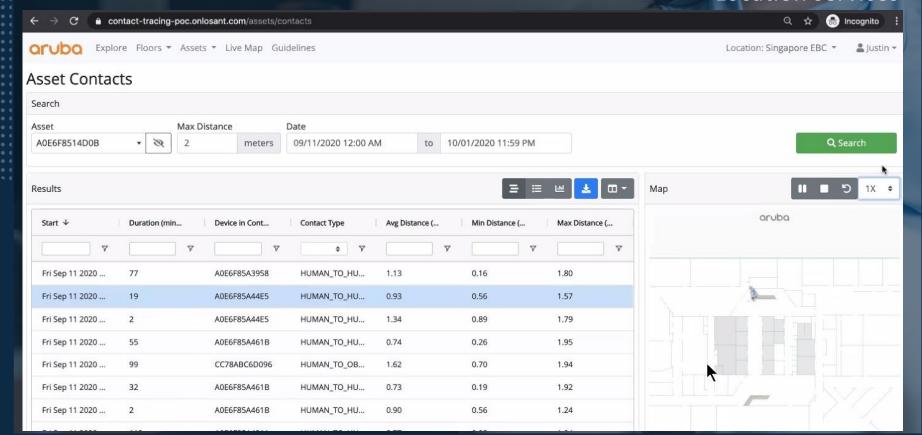


NEXT GEN NETWORK

Aruba Edge Services Platform

Network as a Sensor: Timeline of guest behavior on property

Location services





- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage

NEXT GEN NETWORK

Aruba Edge Services Platform





Zero Trust Security



Unified Infrastructure



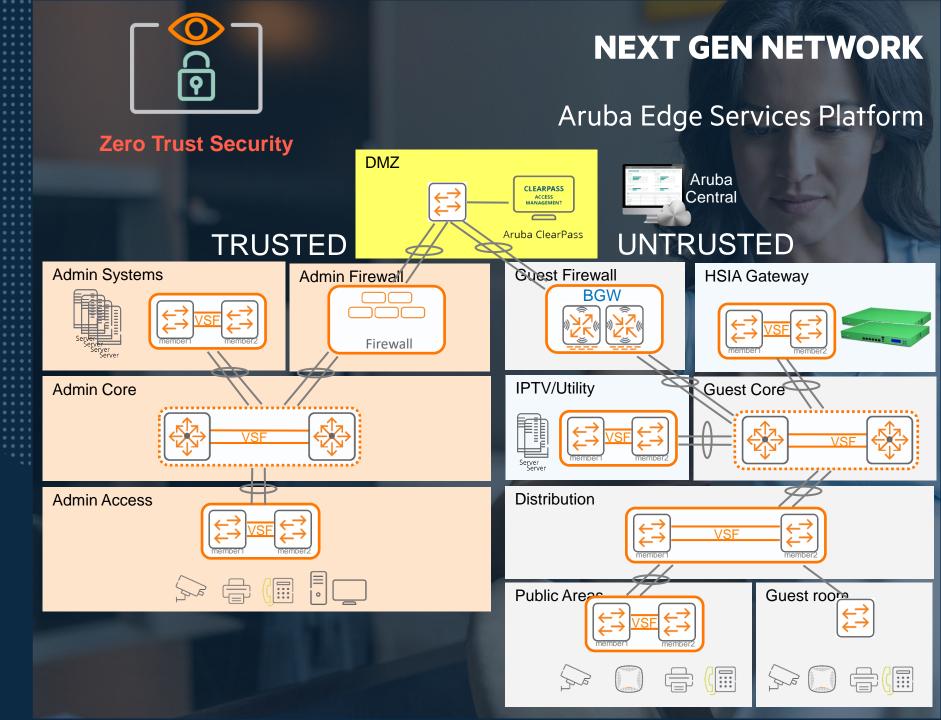


- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage



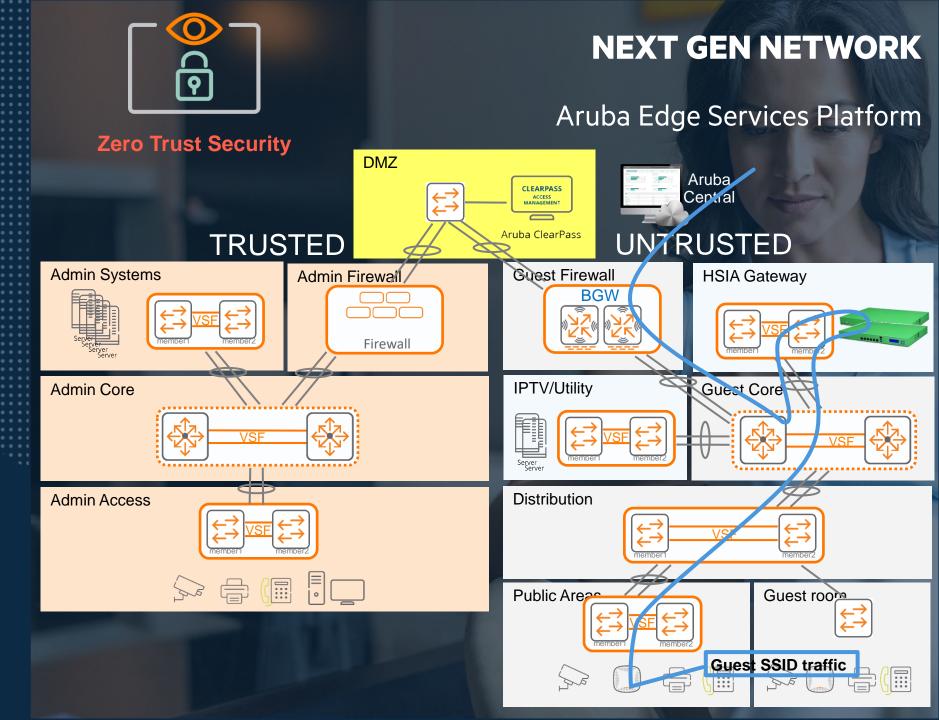


- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage



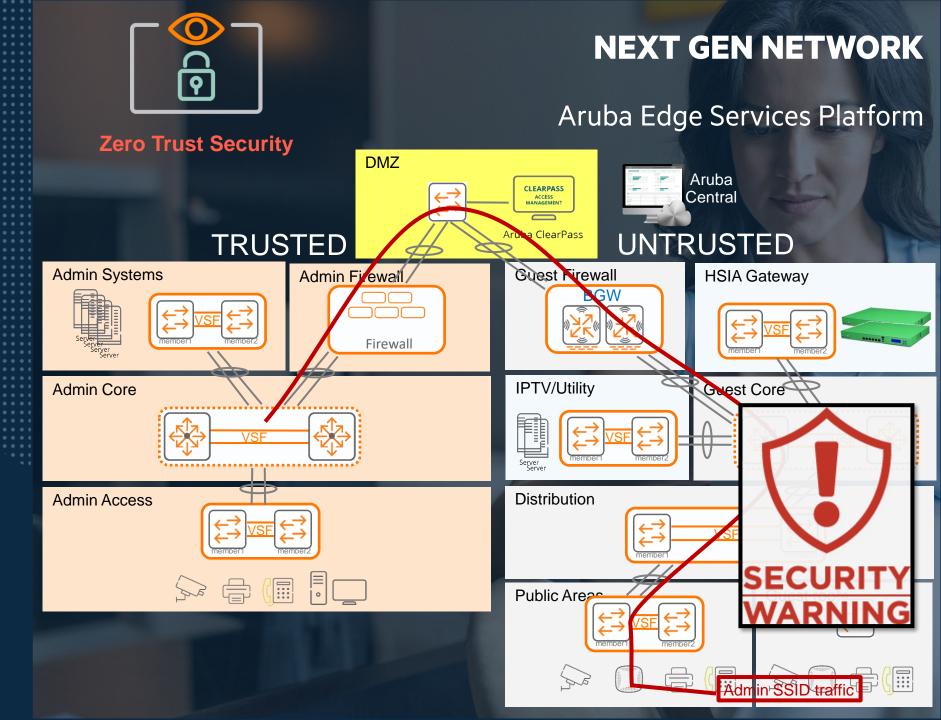


- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage



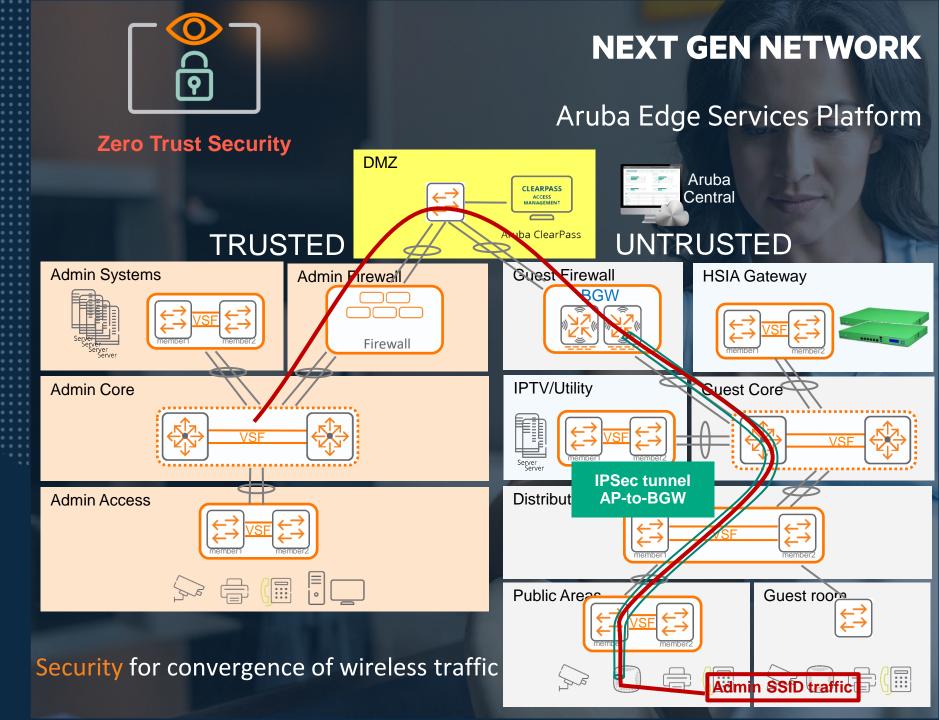


- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage





- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage





- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage



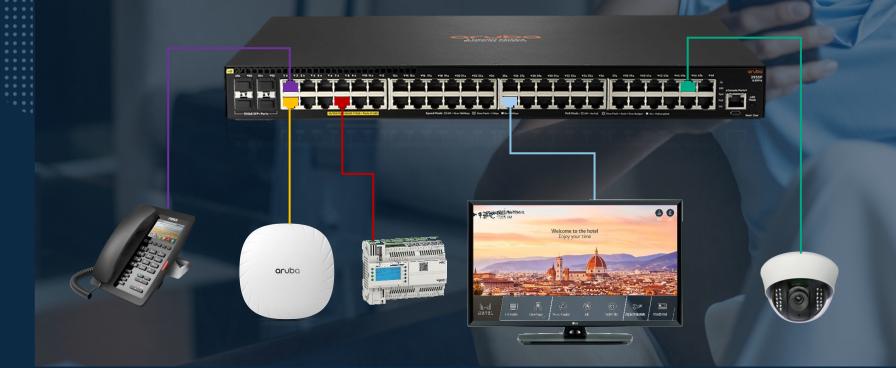
NEXT GEN NETWORK

Aruba Edge Services Platform

Colorless Ports

Manual configuration of ACLs, VLANs, QoS

Automated config save time, improve ops & security





- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage



Zero Trust Security

NEXT GEN NETWORK

Aruba Edge Services Platform

Colorless Ports

- Simplify switch config
- Eliminate human errors
- Improve network security
- Accelerate rollout





- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage

NEXT GEN NETWORK

Aruba Edge Services Platform





Zero Trust Security



Unified Infrastructure





- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage



NEXT GEN NETWORK

Aruba Edge Services Platform

Al Insights

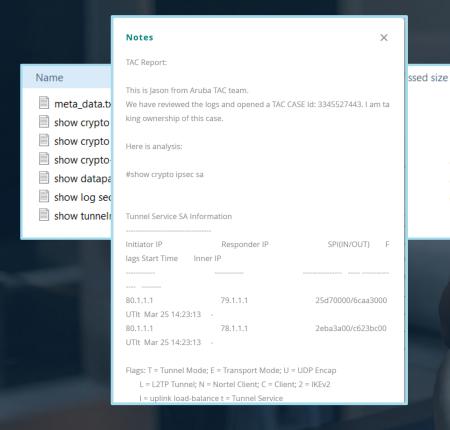




- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage



Al Insights



NEXT GEN NETWORK

Aruba Edge Services Platform

Al Assist

1 KB No

1 KB No

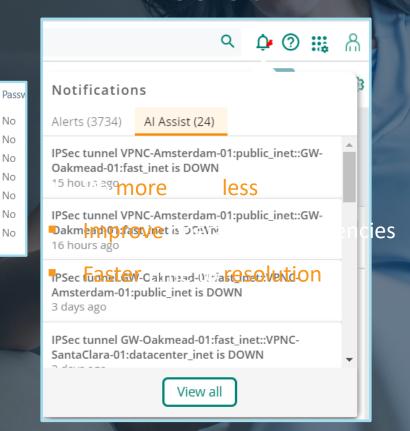
1 KB No

2 KB No

2 KB No

8 KB No

1 KB No





- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage

NEXT GEN NETWORK

Aruba Edge Services Platform





Zero Trust Security



Unified Infrastructure





- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage

COMPLETE WIFI 6 HOSPITALITY PLATFORM

AP-505H



AP-503H



- Dual 2x2 802.11ax, 8 RUs
- OFDMA, 1024-QAM, MU-MIMO
- TWT, BSS Color
- Backward compatible with 11a/b/g/n/ac
- 1GE uplink port
- Powered by 802.3af
- 2 Gigabit downlink ports with no PSE
- 100Mbps crypto performance
- Supports BLE and 802.15.4
- Advanced IOT Coexistence
- Advanced Cellular Coexistence
- 86mm x 40mm x 150mm, 290g
- 0°C to 40°C, plenum rated

- Dual 2x2 802.11ax, 8 RUs
- OFDMA, 1024-QAM, MU-MIMO
- TWT, BSS Color
- Backward compatible with 11a/b/g/n/ac
- 2.5Gbps SmartRate uplink port
- Powered by 802.3af, 802.3at, 802.3bt POE
- 4 Gigabit downlink ports with 2 ports PSE
- 500Mbps crypto performance
- Supports USB 2.0, BLE and 802.15.4
- Advanced IOT Coexistence
- Advanced Cellular Coexistence
- 86mm x 47mm x 150mm, 360g
- 0°C to 40°C, plenum rated



- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage

COMPLETE WIFI 6 HOSPITALITY PLATFORM





505H/503H **Medium Density** (Wall-mount)



505 Series Mid Density

BLE+Zigbee Rooms



Mid Density

BLE+Zigbee Hallway



535 Series Very High Density



515 Series **High Density**



505 Series Mid Density

BLE+Zigbee **Public**



555 Series **Extreme Density**



535 Series Very High Density



515 Series **High Density**

BLE+Zigbee **Ballrooms**



Mid Density



570 Series **High Density**



AP-387 Point-to-Point Gigabit backhual

> BLE **Outdoors**



515 Series **High Density**



505 Series Mid Density

BLE+Zigbee BOH



- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage

NEXT GEN NETWORK

Aruba Edge Services Platform





Zero Trust Security



AlOps

Cost reduction

Do more with less

Deployment consistency
Operational efficiencies

Contactless experience and operation
Compliance and oversight
Seamless onboarding

Connectivity for all



- Before COVID19
- After COVID19
- The New Normal
- The Aruba Advantage

NEXT GEN NETWORK

Aruba Edge Services Platform



Unified Infrastructure



Zero Trust Security



AlOps

Cost reduction

Do more with less

Deployment consistency

Operational efficiencies

Contactless experience and operation

Compliance and oversight

Seamless onboarding

Connectivity for all

make that journey with



a Hewlett Packard Enterprise company





tc.lee@hpe.com

Thank you