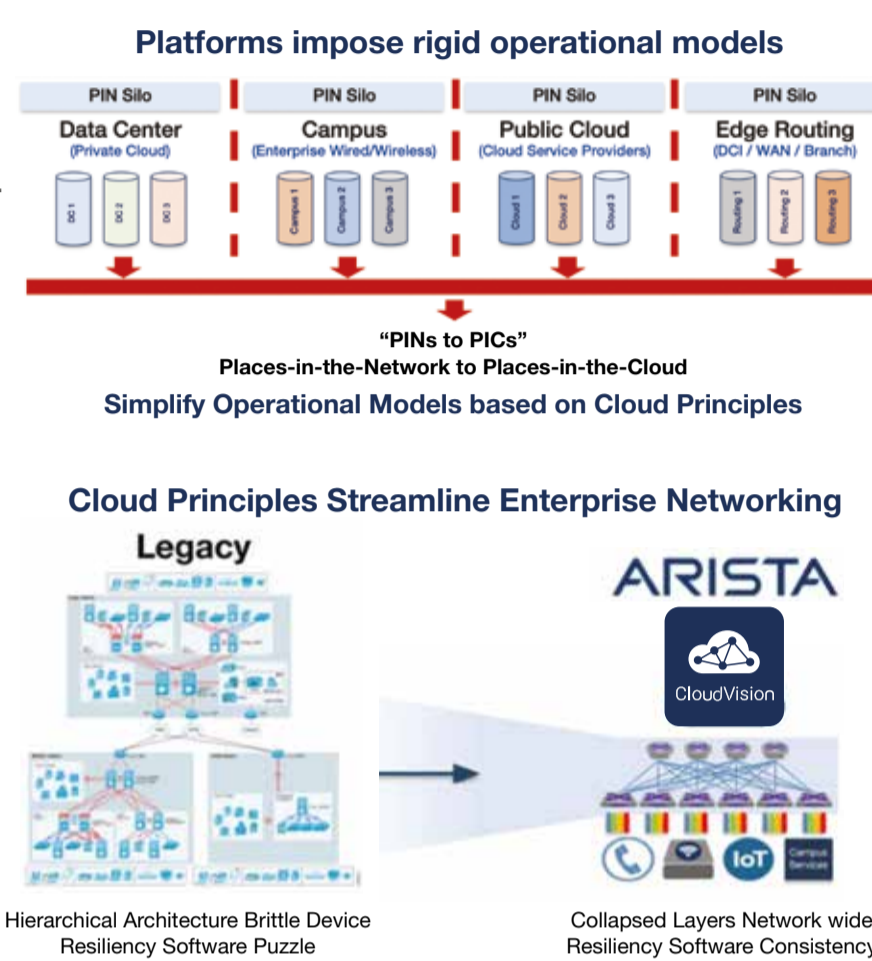


# ARISTA Cognitive Campus Solutions (Wired & Wi-Fi)

Why Arista? Quality • Innovation • Engineering Excellence • Evolution • Openness

## Arista Cognitive Campus Network

- Use open, software-driven cloud principles for a consistent, enterprise-wide operational experience.
- Leverage Arista's software-driven approach to:
  - reduce complexity
  - improve reliability and performance
  - streamline automation, monitoring and security.
- Evolve from siloed, box-based places in the network (PINs) to places in the cloud (PICs).
- Replace the oversubscribed legacy three-tier model of access aggregation core.

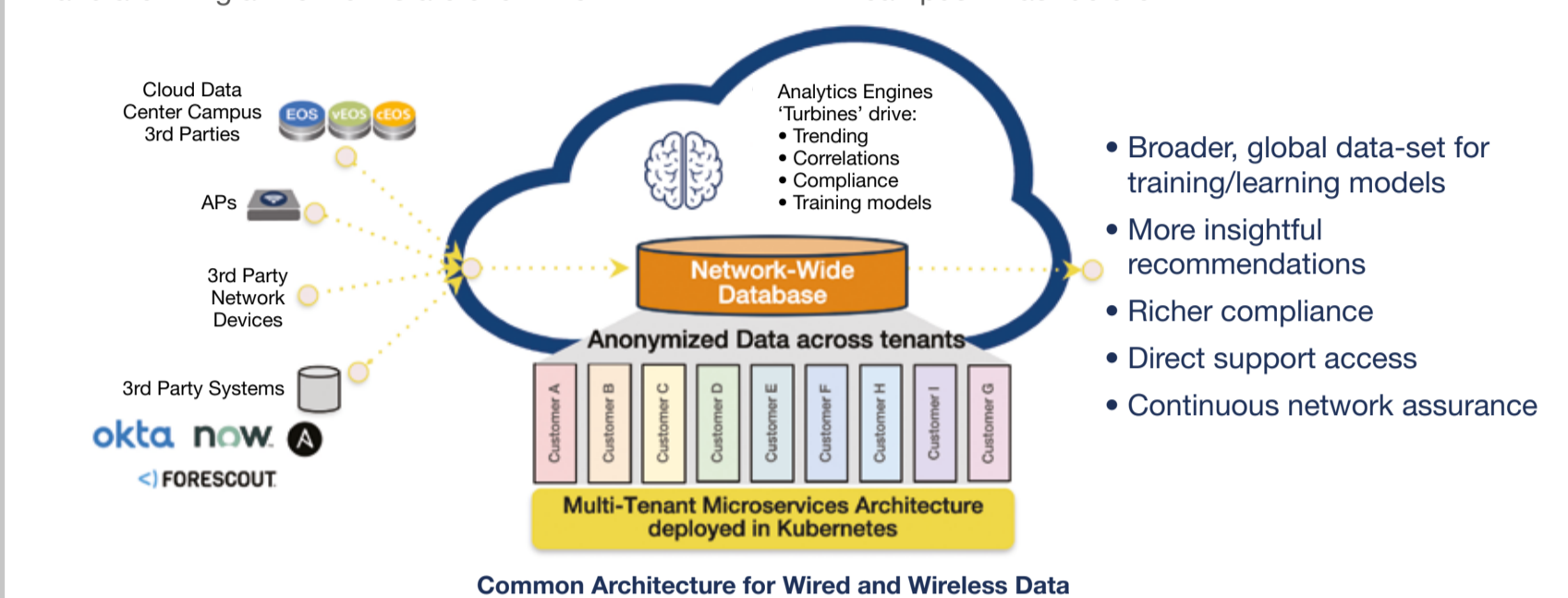


## Arista CloudVision's Value in the Campus



## The Cognitive Management Plane – CloudVision

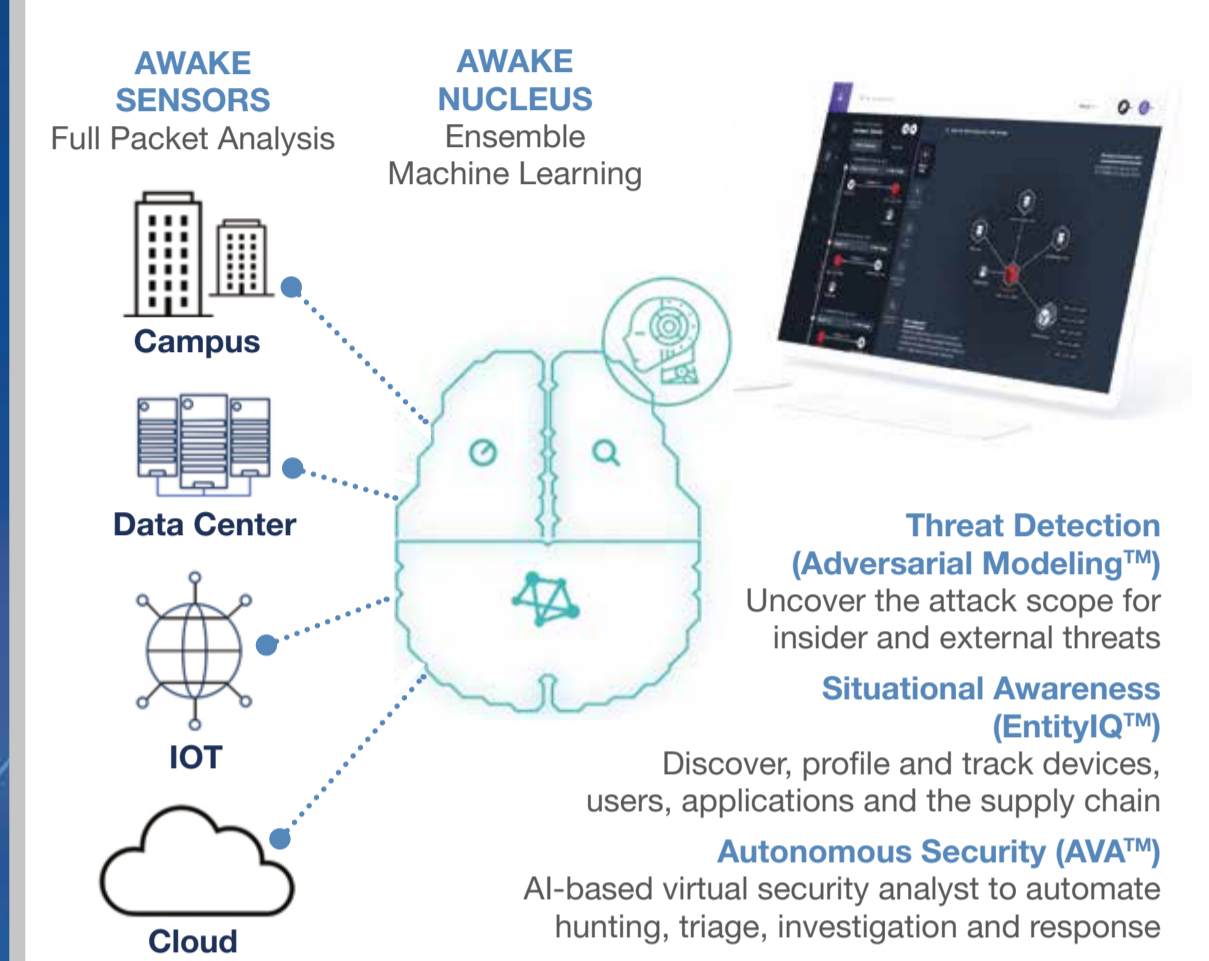
- Arista's CloudVision incorporates our Cognitive Management Plane (CMP) to automate deployments, simplify infrastructure, user and application monitoring, anticipate errors and avoid outages across all Arista platforms in real time.
- CloudVision harnesses the capabilities of cloud computing, big data and machine learning, collecting and archiving all network state over time.
- CloudVision's Cognitive Management Plane ingests all streaming state from EOS platforms while its open APIs allow data sharing with other applications, either custom-developed or from third parties.
- The Cognitive Management Plane APIs convey configuration state as well as telemetry data to allow configuration management tools to control the campus infrastructure.



## Zero Trust Security – Securing the Campus



## AI-Driven Network Detection and Response



## Arista 7300X3 Modular Spline™ Switches

- Highest 10/40/100G capacity and power efficiency
- Purpose built 4 and 8 slot chassis options
- Ideal for building leaf / spine and Spline™ Data Center networks

7300X3 Line Cards		
	7300X3-32C	7300X3-48YC4
Ports	32 x 100G QSFP	48 x 25G SFP 4 x 100G QSFP
Max 100G	32	4
Max 25G	128	64
Buffer	64MB	32MB


7300T Series Chassis		
	7304X3	7308X3
Slots	4	8
Rack Units	8	13
Max 100G	128	256
Max 25G	512	1024

### Arista 7050X3 10/25/40/50/100G Switches

- Compact, energy efficient form factors with wire speed layer 2 and layer 3 features, low latency and advanced EOS features
- Flexible speed combinations incl. 10G, 25G, 40G and 100G to accommodate different Data Center applications

	7050CX3-32S 7050CX3M-32S	7050SX3-96YC8	7050SX3-48YC12	7050SX3-48C3	7050TX3-48C2
Ports	32 x 10G QSFP 2 x 10G SFP	96x SFP25 8x 2 x 10G SFP	48 x 25G SFP 12 x 10G SFP	48 x 25G SFP 8 x 10G SFP	48x 10G SFP 8x QSFP10G
Stack Units	1	2	1	1	1
Max 100G	32	8	12	8	8
Max 25G	128	128	96	56	8
Max 10G	128	129	96	56	56 (10GBASE-T)
Latency			800ns		3µsec
Buffer			32MB		

## Arista 720XP Series MultiGig Campus PoE switches

- Linerate performance with PoE connectivity for all campus user workspaces
  - 802.3at, af and bt power options deliver up to 60W to RJ45
  - Speed options from 10Mbps to 5Gbps over UTP with up to 100G uplinks
- 

	720XP-482CG	720XP-242YA	720XP-48Y6	720XP-24Y6	720XP-962CG
Ports	40 x 2.5G M Gig RJ45 8 x 5G M Gig RJ45 4 x 25G SFP 2 x 100G QSFP	16 x 2.5G M Gig RJ45 8 x 5G M Gig RJ45 4 x 25G SFP 2 x 100G QSFP	48 10/100/ 1000 BASE-T 6.25G SFP	24 10/100/ 1000 BASE-T 6.25G SFP	80 x 2.5G M Gig RJ45 16 x 5G M Gig RJ45 4 x 25G SFP 2 x 100G QSFP
Rack Units	2	1			2
Max 1000Base-T	48	24	48	24	96
Max 2.5G/5G	4/8	2/4	-	-	96/16
Max 10G	4	4	6	6	12
Max 25G	4	4	-	-	12
Max 100G	2	-	-	-	2
Latency			1.2µs		
Buffer		6MB			12MB

## Arista 750XP Series Modular Campus PoE switches

- Modern modular wiring closet PoE switch
  - Up to 384 PoE ports with 60W PoE
  - Intelligent Power Management with dynamic power management on every POE port
  - Dual Supervisors with integrated uplinks that are all active
  - MACsec capable on all ports
- | Chassis   | 750XP | 750S |
|-----------|-------|------|
| Linecards | 8     | 5    |
| Ports     | 384   | 240  |

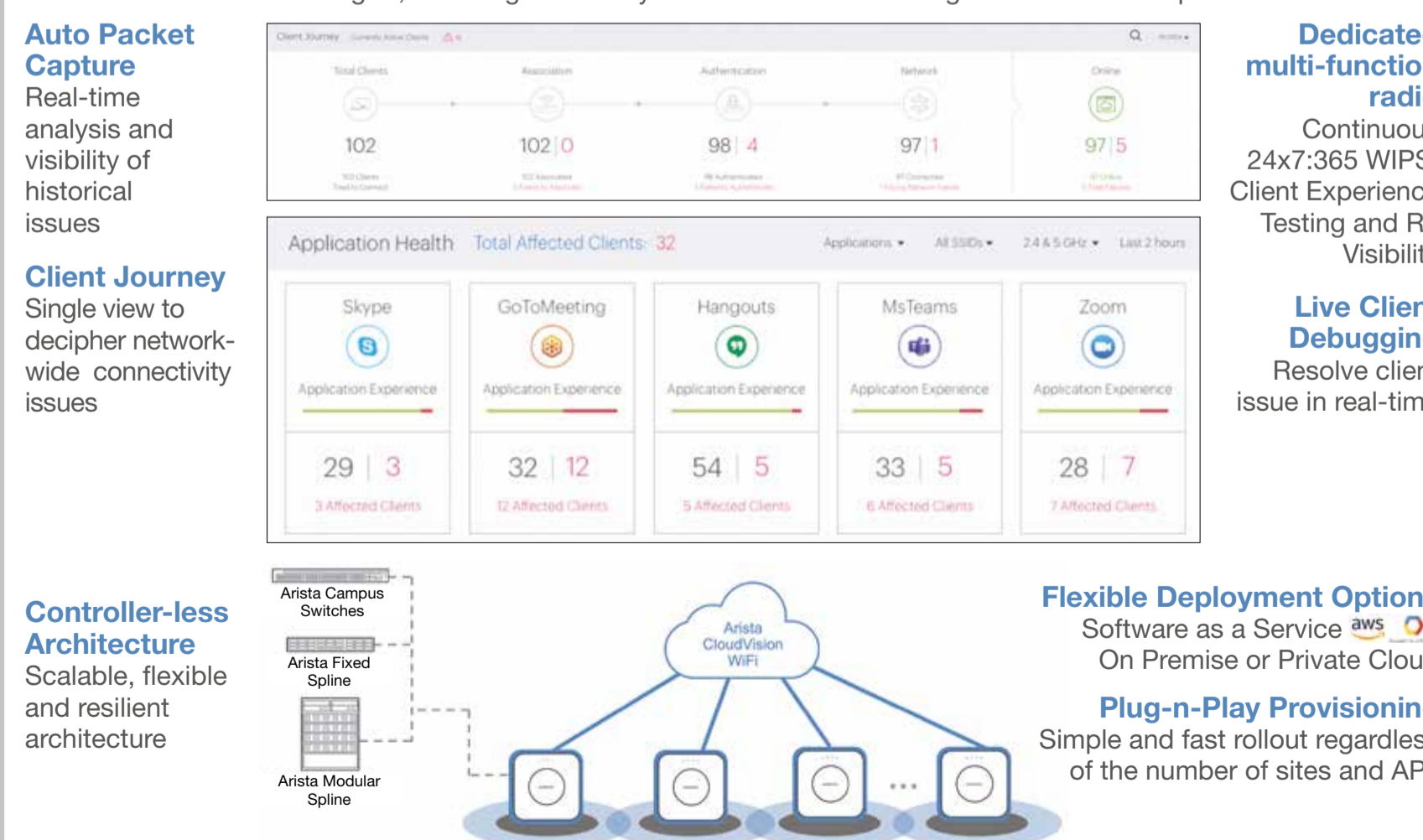
		5G 60W Ports	384	240
		2.5G 60W Ports	384	240
		1G 30W Ports	384	240
		Supervisor	2	2
		Sup25 Ports	8	8
		Sup100 Ports	4	4
		System Height	10U	7U

Line cards supported in the chassis (July 2020):

- 30W 802.3at - 48x1G Line Card (10MB, 100MB, 1G per port)
- 60W 802.3bt - 48x2.5G Line Card (1G and 2.5G per port)
- 60W 802.3bt - 48x10G Line Card (1, 2.5, 5, 10G per port)

## Cognitive Wi-Fi – Seamless Connectivity for Wi-Fi users

- |  |  |
|--|--|
| <p><b>Application Health Dashboard</b></p> <p>Real-time user experience for WLAN &amp; LAN using AI, ML &amp; big data analytics</p> | <p><b>Client Experience Testing</b></p> <p>Proactive, reactive and scheduled automated testing for Wi-Fi client experience</p> |
|--|--|



## Cognitive Campus Edge for Enterprise Workspaces

## CloudVision for Unified Edge

The cognitive NetDB architecture helps drive insightful analytics:

- Anomaly Detection across time-series data, incl. predictive alerting
- Compliance Dashboards for proactive risk assessment
- Arista P-Tracer

### Arista P-Tracer to assist Proximity Tracking

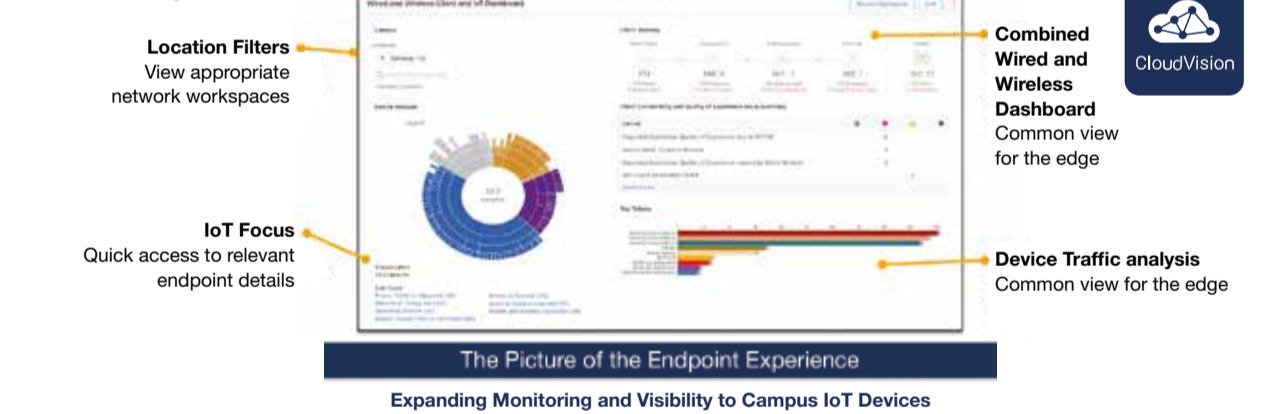
Identify a user's location over a given period of time. We are partnering with leading location-based services to bring:

- Tracking using users' own smart devices; no additional trackers or mobile apps needed.
- Healthcare asset tracking integrations for analysis and reporting.






## Arista Remote Workspace Solution for the COVID Era

Extend the Unified Edge to new mobile remote workplaces and provide seamless access to corporate resources.

Introducing IoTvision™



## Arista Access Point Portfolio

					
	C-250	C-230	O-235	W-118	C-200
Specifications	<ul style="list-style-type: none"> <li>• Wi-Fi 6, Indoor</li> <li>• 8x8 5GHz, 4x4 2.4GHz</li> <li>• 2x2 Multi-purpose Radio</li> <li>• Dual PoE SfpGE interfaces</li> </ul>	<ul style="list-style-type: none"> <li>• Wi-Fi 6, Indoor</li> <li>• 4x4 5GHz, 4x4 2.4GHz</li> <li>• 2x2 Multi-purpose Radio</li> <li>• 2.5GbE + 1GbE interfaces</li> <li>• Internal and external antenna SKUs</li> </ul>	<ul style="list-style-type: none"> <li>• Wi-Fi 6, Outdoor</li> <li>• 4x4 5GHz, 2x2 2.4GHz</li> <li>• 2x2 Multi-purpose Radio</li> <li>• 2.5GbE + 1GbE interfaces</li> <li>• Internal and external antenna SKUs</li> </ul>	<ul style="list-style-type: none"> <li>• Wi-Fi 5, Wall-plate</li> <li>• 2x2 5GHz, 2x2 2.4GHz</li> <li>• 2x2 Multi-purpose Radio</li> <li>• 1GbE WAN interface</li> <li>• 3x 1GbE LAN interfaces</li> <li>• Pass-through port</li> </ul>	<ul style="list-style-type: none"> <li>• Wi-Fi 6, Indoor</li> <li>• 2x2 5GHz, 2x2 2.4GHz 1GbE interface</li> </ul>
Use cases	<ul style="list-style-type: none"> <li>• Carpeted enterprise with very high user density enterprise with IoT deployments</li> <li>• Extreme throughput requirements</li> </ul>	<ul style="list-style-type: none"> <li>• Typical carpeted enterprise with high user density</li> <li>• High throughput requirements</li> </ul>	<ul style="list-style-type: none"> <li>• Outdoor deployments requiring industrial operating temperature and IP67 ingress protection</li> </ul>	<ul style="list-style-type: none"> <li>• Hospitality, dorm rooms, etc. requiring one AP per room</li> <li>• Remote Workplace solutions</li> </ul>	<ul style="list-style-type: none"> <li>• Typical enterprise and retail deployments</li> <li>• Mass market, cost effective solution</li> </ul>

[For more details, please visit: https://www.arista.com/en/65445/switches/switches-overview](https://www.arista.com/en/65445/switches/switches-overview)

## Client to Cloud with Arista's Universal Cloud Networks

