



# OmniAccess Stellar WLAN Network Management modes

# OmniAccess Stellar WLAN supports **flexible deployment models** to adapt to every type of customer

## Stand-alone deployment for smaller properties

In **Wi-Fi Express mode**, the OmniAccess Stellar access points belong to an AP group or cluster **where one of the access points is designated as a virtual controller for the cluster**.

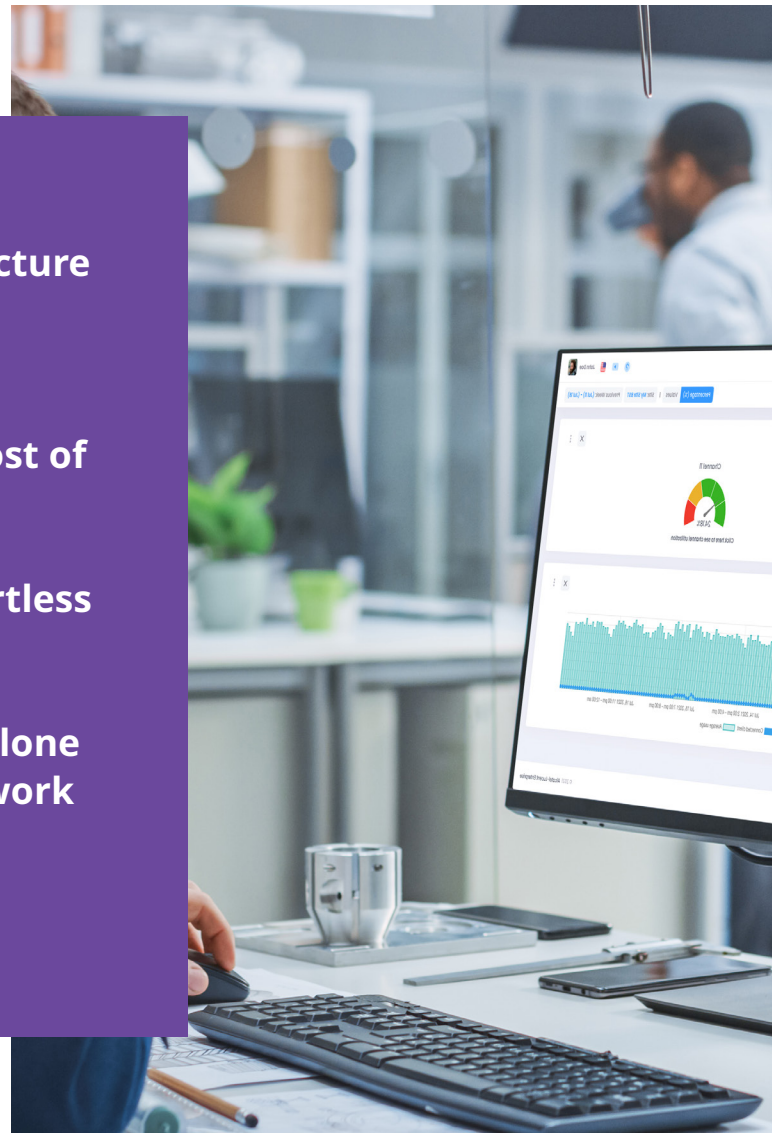
The administrator manages this access point directly from a web browser, which synchronises all the access points in the cluster.

## Managed deployment for larger premises

In **Wi-Fi Enterprise mode**, the OmniAccess Stellar WLAN is **managed from the Alcatel-Lucent OmniVista Network Management System (NMS)**.

OmniVista NMS provides a seamless user experience, with centralised and unified management for the LAN and WLAN, through a single dashboard, either installed **on premises or cloud-based**.

- ✓ Distributed WLAN control architecture
- ✓ Best performance and scalability
- ✓ High availability with low Total Cost of Ownership (TCO)
- ✓ Flexible deployment models, effortless management
- ✓ Quick, simple roll-out in a stand-alone cluster or in a fully managed network
- ✓ On-prems or from the Cloud



OmniAccess Stellar WLAN	Express Mode stand-alone cluster	Enterprise mode - managed by OmniVista	
		On-premises	Cloud-based
Scalability	Up to 255 APs/cluster	Up to 4000 APs/instance	Up to 4000 APs/tenant
Management Licenses	✗	Perpetual, 1 license/device, 1 license/BYOD, 1 license/GA*	Subscription, 1 license/device (includes 50 BYOD & 50 GA users)
<b>PROVISIONING &amp; SECURITY</b>			
WLAN network management	✓		✓
LAN & WLAN unified management	✗		✓
Easy provisioning	✓		✓
Zero-touch provisioning (ZTP)	✓ with OXO Connect*		✓ Template-based provisioning
Mass configuration	✓		✓
Mass upgrade	✓		✓
AP groups management	✓ Single AP Group		✓
BLE and Zigbee IoT management <sup>1</sup>	✗		✓
IoT visibility and enforcement	✗		✓
Lifecycle management	✗	✓ Backup/restore, firmware upgrade scheduling	
Mobile app	✗	✗	✓ OV Cirrus Assistant
Ports configuration (usage, security, VLAN)	✓ per AP		✓ UNP/Role-based access control
WPA3	✓		✓
UNP*/Role-based access control	✗		✓
Device Specific PSK (DSPSK)	✗		✓
Application visibility (DPI) <sup>2</sup>	✗		✓
Reflexive policies	✗		✓
Web Content Filtering (WCF)	✗		✓
Multicast mDNS/DLNA <sup>3</sup>	L2 only		✓ L2 and L3
L2GRE tunneling	✗		✓
IPv6 clients support (stateless IPv6)	✓		✓
<b>SITE MANAGEMENT</b>			
Geolocation	✗		✓
Inventory	✗		✓
Site Mapping	✗		✓
Heatmap/floor plan	✗		✓
Analytics	✓ Limited		✓

\* GA : Guest access

\* OXO connect provides some preconfiguration and provisioning scripts

\* UNP = User Network Profile

1 supported by AP1201, AP123x (BLE only), AP1311, AP132x, AP1351, AP136x

2 not supported by AP1101, AP1201H

3 not supported by AP1101

4 up to 4 mesh points, not supported by AP1101, AP1201H

# OmniAccess Stellar WLAN

**Express Mode**  
stand-alone cluster

**Enterprise mode** - managed by OmniVista

On-premises

Cloud-based

TOPOLOGIES		
Multi-point Auto-Mesh <sup>4</sup>	✓	✓
Multi-hop Auto-Mesh <sup>4</sup>	✓	✓
Bridging <sup>2</sup>	✓	✓
Remote Access Point <sup>3</sup>	✗	✓
SSID MANAGEMENT		
Dynamic VLAN assignment (with external Radius only)	✓	✓
Client isolation/SSID	✓	✓
QoS (WMM, WMM-PS, WMM-DSCP)	✓	✓
Time-based SSID	✓	✓
ROAMING		
Fast roaming (assisted 802.11r/11k/11v/OKC)	✓	✓
Sticky client support	✓	✓
EMPLOYEE/GUEST MANAGEMENT		
Integrated CP	✓ Basic	✓ Advanced, multi-language
External CP integration	✓ with external Radius	✓ with embeded UPAM or external Radius
Social login	✗	✓ Facebook, Google, Rainbow
CP redirection to external Radius	✓	✓
Walled garden for social login	✗	✓
Multiple AAA Radius	✗	✓
External LDAP-AD integration	✗	✓ LDAP
Time and rate limited vouchers	✗	✓
Guest self-registration	✗	✓
IPv4 and IPv6 connectivity	✓	✓
ANALYTICS, REPORTS & TROUBLESHOOTING		
Custom reports	✗	✓
Audit or syslog logging	✓ Syslog only	✓
Packet capture/AP	✓	✓
Wireless scan/AP	✓	✓
Critical resources, alarms, monitoring	✗	✓
Notifications	✗	✓
Network health	✓ WLAN only	✓ with analytics
Client roaming history	✗	✓



Alcatel-Lucent  
Enterprise



Alcatel-Lucent  
Enterprise



## Highly efficient and secure Wi-Fi

Enterprise-wide mobile connectivity is no longer optional. It's business critical. But that's no excuse for it to be costly and complex.

The Alcatel-Lucent OmniAccess Stellar WLAN solution based on Wi-Fi 5 and Wi-Fi 6 technologies is **built and designed using an innovative distributed intelligence architecture** to make the Wi-Fi network smarter, more resilient and less demanding to configure and deploy.

