Next generation WLAN experience

Raising the bar for superior connectivity with Alcatel-Lucent OmniAccess Stellar Wi-Fi 6 & 6E
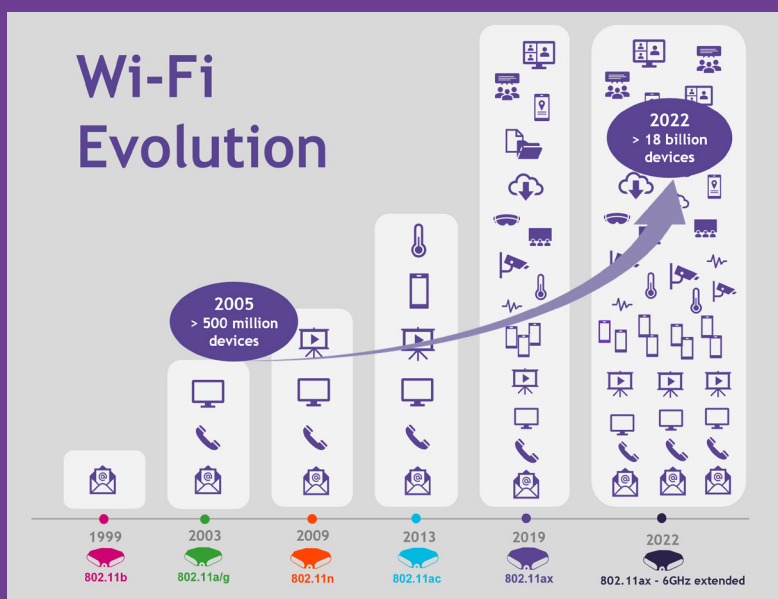
Alcatel·Lucent
Enterprise

Wi-Fi is no longer a nice-to-have. It is a business imperative.

WLAN that delivers a combination of **enterprise-grade capability** and **operational simplicity** is becoming the new standard for businesses.

Expectations of what it can deliver, and how easily it should be to use for mobility, are being radically redefined.

The Alcatel-Lucent OmniAccess® Stellar WLAN solution addresses this redefinition, delivering **cutting-edge Wi-Fi with a personal touch**.

OmniAccess Stellar can be deployed and maintained easily. It provides **outstanding performance while offering simplicity to IT teams**.

Quest for speed

Wi-Fi Evolution

2022 > 18 billion devices

2005 > 500 million devices

1999	2003	2009	2013	2019	2022
802.11b	802.11a/g	802.11n	802.11ac	802.11ax	802.11ax - 6GHz extended

Since 1999, Wi-Fi standards have evolved for **improved speed, capacity, reliability and efficiency.**

The complete Alcatel-Lucent Enterprise WLAN portofolio is a testimony to this evolution: from **OmniAccess Stellar Wi-Fi 5 up to Wi-Fi 6 and now Wi-Fi 6E,** we offer a range of solutions that fit any business needs.

Raising the bar with Wi-Fi 6

Compared to previous standards, Wi-Fi 6 technology offers higher and **more stable connectivity in dense environments** allowing more devices and users to connect to the same access point (AP) simultaneously.

The Alcatel-Lucent OmniAccess Stellar 13xx series access points bring a new set of WLAN capabilities and better efficiency for **bandwidth hungry and latency sensitive applications.**

The solution is ideal for saturated indoor and outdoor environments.

Increased throughput

More devices connected simultaneously

Enhanced security with WPA3

Reduced interference and more stability

Improved QoE

Extended battery life of devices

Brochure
OmniAccess Stellar Wi-Fi 6 & 6E

Next generation WLAN experience: Wi-Fi 6E

Wi-Fi 6E is built with the same technology as Wi-Fi 6 but is extending to the new uncongested 1200 Mhz spectrum in the **6 GHz band.**

- **Growing adoption** all around the world - based on local regulation.

- Supports **next generation use cases and applications**: telemedecine, augmented reality, virtual reality, massive IoT deployments etc...

Wi-Fi 6E

OmniAccess Stellar
14xx series access points

| 2.4 GHz, 5 GHz & 6 GHz | Very high **throughput** |

| More super-wide 160 MHz channels | Lower **latency** |

Wi-Fi 6

OmniAccess Stellar
13xx series access points

| 2,4 GHz & 5 GHz | High-efficiency Wi-Fi |

| 583 MHz spectrum |

What to expect with Wi-Fi 6E?

As an extension of the existing Wi-Fi 6 standard, Wi-Fi 6E brings a more reliable and secure experience to users, with better throughput.

Reduce the gap between wired and wireless connections.
No lagging or slowdown.

Open the door to many new digital use cases that will **enhance your revenues and improve your organization's productivity**.

Connect more devices without compromising on connectivity.
More data packets transfered at the same time on the network.

Wi-Fi 6 and 6E will perfectly coexist with 5G. Demand for **wire-rate connectivity everywhere** is becoming the new standard.

A great opportunity to r**efresh and upgrade your network infrastructure** (wired and wireless) with future-proof technology.

Improve location accuracy of IoT devices and deployment of innovative asset tracking use cases.

Quick, simple roll-out. Effortless management.

OmniAccess Stellar WLAN supports flexible and quick deployment models that adapt to every customer's need.

All OmniAccess Stellar access points can be deployed as stand-alone clusters or in a fully managed network. The entire network, from equipment to users, as well as devices and applications, can be easily managed from a **truly unified management platform and monitored from a single pane-of-glass, on premises or in the cloud**.

Align budget, network services and operations with your business.
Build your network infrastructure as a service with ALE.

- Fastest access to the latest technology with **reduced initial investment**
- **Predictable** flat costs
- Scale your infrastructure up or down
- Add value-added network applications on the fly
- Maximum **agility and scalability**

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