

Hardworking Technology: Wave 2

How the latest wireless LAN technology enables the organization of the future.



1 FUTURE READY

More agile and mobile ways of working need more agile and flexible networks. Wave 2 Wi-Fi, powered by ALE, delivers the capabilities needed to create future-ready organizations.

Alcatel-Lucent OmniAccess® Stellar WLAN is optimized for Wave 2 infrastructures, with a distributed intelligence architecture, simplified management and support.



802.11ac Wave 2

The transformation into a faster, more powerful wireless networking standard, designed for the way people work today.

“The majority of network professionals consider wireless LAN to be the most essential network technology in their IoT portfolio...”

EMA: The Internet of Things and Enterprise Networks

“The 802.11ac Wave 2 standard... is gaining rapid traction and will become the highest shipping Wi-Fi standard yet...”

Strategy Analytics report: 802.11ac with MU-MIMO: The Next Mainstream Wi-Fi Standard

2 THE BIG BENEFITS

Technology built for Wave 2 enables...

TECHNOLOGY



Support for dual-band devices (estimated at 65% of devices and growing*) with additional 5 GHz channels.

* According to the Wi-Fi Alliance 2016

2.34 Gb/s

Faster data transfer, with Wave 2 making Gigabit speeds of up to 2.34 Gb/s over the wireless network.



Data is sent to multiple connected devices simultaneously, improving efficiency and performance with multiuser multiple input, multiple output (MU-MIMO).

160 MHz

Easier transfer of large files with 80 MHz and 160 MHz channel width - 802.11n only supports 20 and 40 MHz.

BENEFITS



Your network is future-ready, allowing users to connect with multiple devices and operating systems, while using fewer access points.



Users get a seamless connected experience, with fast, reliable applications that simply work, everywhere.



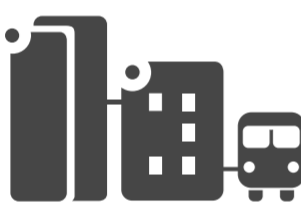
More devices can connect, without compromising the user experience, and you're free to scale your business as needed.



Video files, high resolution scans, complex technical drawings - users can exchange bandwidth-hungry files quickly and easily, wherever they are.

3 TAKE CONTROL OF WAVE 2 with OmniAccess Stellar WLAN

ENTERPRISE-GRADE CONNECTIVITY



- PERFORMANCE:** Distributed intelligent architecture for high performance and availability
- IOT READINESS:** Unique IoT containment technology, for secure and automatic connection

Self-healing networks, with built-in intelligence, maintain coverage and respond intelligently to changing patterns of demand.

OPERATIONAL EASE OF USE AND MANAGEABILITY



- SIMPLICITY:** High-speed Wi-Fi with optimal radio coverage, yet simple to deploy and scale
- USER CENTRICITY:** Easy to connect to, excellent quality and secure user experience

Users can work the way they need to while IT teams have minimal disruption and simple administration.

EFFICIENT, SECURE, SIMPLE AND AFFORDABLE



- ANALYTICS CAPABILITY:** Smart analytics monitor and control applications for users and devices
- UNIFIED MANAGEMENT:** Native unified access for LAN and WLAN with cloud-enabled management

Simpler, faster secure access from any device for users, and real-time insight and intelligence for network managers.

The OmniAccess Stellar WLAN portfolio was designed to support your current and future needs, with entry level, mid level and high end access points. It's a seamless solution, built on the latest technologies, innovations and services.



OmniAccess Stellar AP1220 Series
Dual radio access point with MU-MIMO Wave 2 Wi-Fi for medium and large-sized businesses.



OmniAccess Stellar AP1230 Series
Three-radio access point with MU-MIMO Wave 2 Wi-Fi for large-sized business and areas with high density of users.



OmniAccess Stellar AP1251
Wave 2 access point for outdoor installation. Great for colleges, hospitality, leisure facilities and other campus sites.

4 HARDER-WORKING WI-FI

Whatever your industry...



IN EDUCATION...

93%

OF STUDENTS

own and use a laptop in class.

EDUCAUSE Center for Analysis and Research - Student Technology Experiences Study 2016



IN HOSPITALITY...

86%

OF GUESTS

carry two or more devices.

SmartBrief Media Services and the Wall Street Journal



IN HEALTHCARE...

70%

OF HEALTHCARE PROVIDERS

use mobile devices to access electronic medical records.

3rd Annual HIMSS Analytics Survey



IN TRANSPORTATION...

58%

OF IoT TRAFFIC

will come from commercial buildings and transportation in 2017.

http://www.gartner.com/newsroom/id/3507317

Use our Wi-Fi selector tool to quickly find the product that is best suited for you.

DIVE DEEP INTO WAVE 2 WITH ALE

www.al-enterprise.com/en/stellar-mobility-wifi