



Hospitality: Upgrade to the latest technology with Wi-Fi 6

A stellar competitive advantage

The Alcatel-Lucent OmniAccess® Stellar WLAN portfolio offers the latest in wireless networking solutions including a full range of access points, as well as models with Wi-Fi 6 technology. Designed with simplicity, performance, user centricity, Internet of things (IoT) readiness, analytics capabilities, unified management and evolution in mind, the portfolio represents the future of wireless networking.

Features and Benefits

The OmniAccess Stellar WLAN family of products provides high-speed Wi-Fi with optimal radio coverage that is simple to deploy and scale. Its distributed, intelligent architecture ensures optimal performance and high availability. This makes it the ideal solution for hospitality businesses of all sizes looking to provide secure connectivity and excellent Quality of Experience (QoE) for employees and guests.

In addition to its user-centric approach, the OmniAccess Stellar WLAN portfolio also features unique IoT identification and secure containment technology for streamlined and safe deployment. Its smart analytics monitoring and applications control capabilities help businesses make strategic and informed decisions.

Additionally, the portfolio's native unified access for LAN and WLAN with cloud-enabled management simplifies IT operations, providing a unified management platform that is easy to use and maintain.

A future-proof solution

Built on the latest technologies, innovations, and services, the OmniAccess Stellar WLAN portfolio is a future-proof solution that ensures hospitality organisations remain ahead of the curve. Whether you're looking to upgrade your current network or deploy a new one, the OmniAccess Stellar WLAN portfolio is the perfect choice for businesses looking for the best wireless networking solution available today.

Brochure

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Key to a competitive edge

- **Simplicity:** High speed Wi-Fi with optimal radio coverage that is simple to deploy and scale
- **Performance:** Distributed, intelligent architecture for optimal performance and high availability
- **User centricity:** Secure connectivity and excellent QoE for employees and guests
- **Internet of Things (IoT) readiness:** Unique IoT identification and secure containment technology for streamlined and safe deployment
- **Analytics capabilities:** Smart analytics monitoring and applications control help hospitality businesses make better decisions
- **Unified management:** Native unified access for LAN and WLAN with cloud-enabled management to simplify IT operations
- **Evolution:** A future-proof solution built on the latest technologies, innovations and services





Upgrade to the latest Wi-Fi 6 technology

High-speed and reliability

Upgrade to Wi-Fi 6 and enjoy lightning-fast internet speeds, increased capacity and improved performance.

With more and more guests relying on Wi-Fi for work, entertainment and communications, a strong and reliable Wi-Fi connection has become an essential part of any hospitality experience. Wi-Fi 6 takes this to the next level, offering a range of advantages that enhance the guest experience and set your business apart from the competition.

Wi-Fi 6 delivers faster internet speeds, with a maximum theoretical throughput of up to 9.6 Gbps. This means guests can stream high-quality video, download large files and connect multiple devices without any lag or buffering. Plus, with support for up to 12 simultaneous streams, Wi-Fi 6 can handle even the busiest hotel environment.

Security

But speed isn't the only Wi-Fi 6 benefit. This technology also supports improved security, with WPA3 encryption providing enhanced protection against hacking and data breaches. And with features like Target Wake Time (TWT) and Orthogonal Frequency Division Multiple Access (OFDMA), Wi-Fi 6 is designed to optimise bandwidth allocation and reduce congestion, ensuring that guests always have a smooth and uninterrupted connection.

Upgrading to Wi-Fi 6 also lets your guests know that you are committed to providing them with the best possible experience. With an ever-increasing number of people relying on Wi-Fi as an essential part of their daily lives, offering a fast and reliable connection can make all the difference in attracting and retaining customers.

Upgrade to Wi-Fi 6 today with OmniAccess Stellar WLAN and start reaping the benefits of faster, more reliable and more secure internet for your hospitality business.



New Wi-Fi 6 features

In the hospitality industry, Wi-Fi 6 brings a host of new technologies that provide significant enhancements for hospitality businesses, including faster speeds, more efficient bandwidth allocation, improved transmission quality, longer battery life for connected devices and stronger security. Upgrading to Wi-Fi 6 can help hospitality businesses provide the best possible guest experience and set themselves apart from the competition.

These new features include:

- **OFDMA Multiplexing:** With this technology, bandwidth resources can be allocated more efficiently, resulting in up to four times higher throughput per user. This is particularly useful in a hospitality setting, where many guests may be using Wi-Fi simultaneously
- **MU-MIMO:** Wi-Fi 6 increases the number of special streams that can be used simultaneously to serve connected users, with up to eight uplinks and two downlinks. This is an improvement over Wi-Fi 5, which only supported four downlinks and one uplink
- **1024-QAM:** This new modulation technology allows for higher transmission capacity on the network, resulting in up to 25% higher speed and up to 39% raw speed increase, compared to Wi-Fi 5

- **BSS Coloring:** In dense environments such as hotels and resorts, Wi-Fi 6 access points can use BSS Coloring to detect radio transmissions from nearby access points (APs) belonging to a different WLAN network and take action to minimise radio collisions and interference on the same channels. This results in better transmission quality, particularly in busy settings.
- **Targeted Wake-up Time (TWT):** This technology allows connected devices to go to sleep when they are not sending or receiving data, optimising up to 67% of the device battery life. This is particularly useful for guests who rely on their mobile devices while travelling.
- **WPA3:** The latest security standard, WPA3 is mandatory on Wi-Fi 6 and addresses vulnerabilities seen in the WPA2 standard. This provides an added layer of security for guests and their sensitive information.

Learn more about [Alcatel-Lucent Enterprise solutions for the hospitality industry](#) or [contact us](#) to speak to an expert

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