The perfect fit for business

Enterprise wireless LAN reliability with operational simplicity

Next generation Wi-Fi for next generation business

Across the networking industry, building wireless LANs that deliver a combination of enterprise grade capability and operational simplicity may be set to become the new standard for business networking.

Why? As Wi-Fi becomes ubiquitous in everyday life, expectations of what it can deliver and how easy it should be to use for mobility, are being radically redefined. Once, the expectation may have been that deploying a wireless LAN within the enterprise would be a laborious, complex and potentially costly task. Now, the goal is to make the process as simple and seamless as setting up Wi-Fi in the home.

The Alcatel-Lucent OmniAccess® Stellar WLAN solution addresses this goal, delivering hardworking Wi-Fi with a personal touch. It doesn't lock you into proprietary systems and addresses the individual needs of your business.

It embodies the transition currently underway in wireless networking and is designed with:

- **Simplicity:** High speed Wi-Fi with optimal radio coverage, yet simple to deploy and scale

- **Performance:** Distributed intelligent architecture for better performance and high availability

- **User centricity:** Easy to connect to, excellent quality and secure user experience for employees and guests

- **IoT readiness:** Unique IoT containment technology, securely and automatically connects to any Wi-Fi device – so you can use and deploy your own IoT solutions with confidence

- **Analytics capability:** Smart analytics monitor and control applications to help manage and drive strategic business decisions

- **Unified management:** Native unified access for LAN and WLAN with cloud enabled management that guarantees the best quality of service

- **Evolution:** A future-proof solution built on the latest technologies, innovations and services

OmniAccess Stellar AP1101
indoor Wi-Fi access point

Built for efficiency

One of the main differentiators for this new class of enterprise level wireless LAN solution is the support for multiple access points, managed from a single interface. The OmniAccess Stellar WLAN solution delivers these capabilities with:

- Distributed controller architecture
- Unified Policy Authentication Manager (UPAM)
  - Secure authentication of employees and guests
  - Guest access - self registration, employee sponsored login, authentication through social login
  - Intent based policy enforcement
  - Extensive captive portal customization
- Simplified management of access groups
- Up to 512 access points spread across one or more groups*

Built for security

Data is one of the most valuable assets a business has – an asset that is vulnerable while moving across networks. With that in mind, the OmniAccess Stellar WLAN solution is designed for exceptional security with features including:

- Secure network access control (NAC) with Unified Access technology
- Smart Analytics application monitoring and enforcement
- UPnP/Bonjour service sharing
- IoT containment that makes connection to any device secure

Secure BYOD functionality is similarly optimized with features including:

- Domain authentication and device registration
- Device fingerprinting
- External database link for employee authentication

Built for productivity and collaboration

The OmniAccess Stellar WLAN product line is also built to boost productivity by helping additional people work together more effectively, while simultaneously protecting network security. Specifically, this includes features designed to optimize guest network functionality, with the ability to allow guests to connect not just with a single password, but also with timed-expiry passphrases or tokens, including the ability to charge guests for access (in a hotel, for example). It's hardworking Wi-Fi for hardworking people.

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* OmniVista 2500 required for more than 64 APs

Built to grow with your business

The OmniAccess Stellar WLAN product line features entry level, mid level and high end access points, so that your wireless LAN can grow in line with the needs of your business.

Entry level AP1101	Mid level AP1220 Series	High end AP1230 Series
Dual radio, 802.11ac 2x2:2SS VHT40	Dual radio, 802.11ac 4x4:4SS VHT160	Tri radio, 802.11ac 4x4:4SS VHT160 and Integrated BLE
• 2.4 GHz and 5 GHz band support • Up to 867 Mb/s 5 GHz • Up to 300 Mb/s 2.4 GHz • Up to 16 SSID (8 SSID per radio) • 1x GbE network interface, RJ-45 console, reset 802.3af PoE / 48V DC • Enterprise temperature range, plenum rated • Built-in antenna (OAW-AP1101)	• 5 GHz radio: 1733 Mb/s (with 4SS/VHT80 clients or 2SS/VHT160 clients) • 2.4 GHz radio: 400 Mb/s 2.4 GHz (2SS/VHT40) • MU-MIMO • Optional BLE radio through USB port • 1x GbE network interfaces, RJ-45 console, USB port, reset 802.3at PoE compliant/ 48V DC • Enterprise temperature range, plenum rated • Built-in antenna (OAW-AP1221) • External antenna connectors (OAW-AP1222)	• First 5 GHz radio: 1733 Mb/s (with 4SS/VHT80 clients or 2SS/VHT160 clients) • Second Multiband radio: 1733 Mb/s (with 4SS/VHT80 clients or 2SS/VHT160 clients) or monitoring radio • Third 2.4 GHz radio: 800 Mb/s 2.4 GHz (4SS/VHT40) • MU-MIMO • Integrated BLE radio • 1x GbE + 1x2.5 GbE network interfaces, RJ-45 console, USB port, reset 802.3 at PoE (60W) compliant/ 48V DC • Enterprise temperature range, plenum rated • Built-in antenna (OAW-AP1231) • External antenna connectors (OAW-AP1232)

To find out more about the Alcatel-Lucent OmniAccess Stellar WLAN solution visit **www.al-enterprise.com/en/stellar-mobility-wifi**

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