Hardworking Wi-Fi for today's healthcare

Alcatel-Lucent OmniAccess Stellar WLAN solution for healthcare

Next generation Wi-Fi for next generation healthcare

You're juggling a huge increase in digital demands across the entire patient care pathway – from appointment booking and consultation to tests, surgery and outpatient care and monitoring.

- The average clinician uses 6.4 mobile devices a day[1]

- 70% of healthcare providers use mobile devices to access electronic medical records[2]

- 7.1 million home health monitoring devices used today[3]

OmniAccess Stellar AP1231 indoor Wi-Fi access point

[1] IDC Healthcare Insights study
[2] 3rd Annual HIMSS Analytics Survey
[3] Berg Insight

While digital plays a huge role in enabling better patient outcomes, it also puts a considerable strain on your network. Not only in the volume of data and network traffic, but also in the number of connections that collectively pose a potential security risk. Evidence of this is the recent WannaCry global ransomware attack, affecting around a fifth of Healthcare Trusts in the UK and compromising dozens of systems.

It's why reliable, secure and high-performance Wi-Fi is moving to the top of the agenda for healthcare, looking to not only deliver the connectivity that patients and clinicians are demanding, but also the integrated security to keep data safe.

The Alcatel-Lucent OmniAccess® Stellar WLAN solution meets all these demands, and more. Its next generation access points deliver enterprise-grade connectivity with operational simplicity and manageability – creating a new paradigm in wireless networking that's efficient, secure, simple and affordable. And with our local, personalized approach, a tailored solution can be built to suit any hospital or clinic looking for WLAN.

The OmniAccess Stellar WLAN solution offers:

- **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 clinicians, visitors and patients

- **IoT readiness:** Unique IoT containment technology, for secure and automatic connection to any Wi-Fi device

- **Analytics capability:** Smart analytics monitor and control applications, users and devices 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:** Future-proof solution built on the latest technologies, innovations and services

Alcatel·Lucent Enterprise

Built for efficiency

Clinicians can benefit from faster, more flexible workflows with the OmniAccess Stellar WLAN solution. The enterprise-grade solution supports multiple access points, managed from a single interface. It means a clinician can check and update medical notes without leaving the patient's side.

Features include:

- Distributed controller architecture
- Unified Policy Authentication Manager (UPAM)
  - Secure authentication of clinician login
  - Visitor/patient access – self-registration, clinician sponsored 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

Healthcare organizations hold masses of personal patient data. And every new, smart connected device creates a new gateway for a potential cyberattack.

With OmniAccess Stellar WLAN solution's IoT containment capability, healthcare organizations not only get simplified deployment and configuration but also a dramatically more secure network architecture.

Hospitals can run a clinician network exclusively for devices used by doctors and nurses. A security network for surveillance cameras, access control and intrusion detection. A guest network for patient and visitor use, etc. All on the same network infrastructure. So, if any single network is compromised, the attack can be contained to that network portion only. OmniAccess Stellar WLAN solution security features include:

- Secure network access control (NAC) with Unified Access technology
- Automated deployment with OmniSwitch integration
- Smart Analytics application monitoring and enforcement
- UPnP/Bonjour service sharing support

OmniAccess Stellar AP1101
indoor Wi-Fi access point

Built for simplicity

The OmniAccess Stellar WLAN solution is designed to enable automatic onboarding of smart and IoT devices to support a connected healthcare service. Features include:

- Policy-based Bonjour/UPnP management
  - Discovery of service devices
  - Rules created based on:
    - Location
    - User group
    - Identity
- Automatic and secure configuration into the correct network profile
- Available on wired and wireless devices (Note: when used with the Alcatel-Lucent LAN solution)

Built for affordability and low TCO

The OmniAccess Stellar WLAN product line is designed to be affordable, with a low TCO thanks to its simple management features and built-in intelligent capabilities:

- Secure web management portal
- Wizard configuration tool
- Visitor captive portal
- Distributed RF for automatic intelligence optimization
- Smart load-balancing – intelligent connection to best APs
- Self-healing – dynamic coverage adjustment to counteract access point failures
- Easy to scale – automatic management of new access points

Keeping clinicians mobile and connected, and smart systems online – without the need to keep investing in the maintenance of old technology.

And with a choice of entry level, mid level and high end access points, your wireless LAN can grow in line with the needs of your business.

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

Connected Healthcare

We help you connect your patients, staff and healthcare ecosystem. Delivering technology that works, across and beyond your facilities. With global reach and local focus, we deliver specialized networking and communications for healthcare providers, to optimize the care pathway and enhance patient outcomes.

ALE | **Where Everything Connects**

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