



**AP 6511  
802.11n WallPlate AP**

## AP 6511 802.11n Wall Plate Access Point for Hotel Wi-Fi Services

The Motorola AP 6511 802.11n wall plate access point brings the latest wireless LAN (WLAN) technology to multi-tenant buildings such as hotels, long term care, apartments, and dormitory housing. The sleek “hide in site” modular design and snap-on installation makes the AP 6511 attractive, yet fast and easy to install and maintain. The AP 6511 uses existing CAT5/6 cabling so 802.11a/b/g/n wireless service can be extended to guest rooms without having to pull additional cabling. In addition, this puts the wireless access point close to the users, so signal strength is strong and communications crisp and clear. With its integrated controller AP code, up to 25 AP 6511s can operate without an RF controller, significantly lowering the cost for small hotels to offer Wi-Fi services.

The AP 6511 is powered by Motorola’s feature-rich Wi-NG operating system\* which also enables integration into an adaptive, controller-based network for higher scalability, centralized management and management services.



**AP 6511  
802.11n wallplate AP  
with optional Ethernet  
module**

### Hotel Guests Want Wi-Fi

WLAN services (Wi-Fi) are now an expected service in hotels. Busy travelers need to stay connected; and will favor a hotel that can provide a high quality of experience. More of these travelers are using laptops with 802.11n radios. And because hotels often have the goal to provide an “at home” experience to its guests, they are compelled to upgrade their wireless networks to 802.11n whenever possible.

Traditional WLAN access points are designed for facilities with open spaces and drop-down ceilings. Access point and cable installation is relatively simple. Contrast that with hotels; where the architecture is many solid, compartmentalized rooms with firewalls, fire doors, and other reflective and sound dampening materials.

This architecture will deflect and absorb RF signals making it difficult to provide uniform or quality signal level to guest rooms. While it’s completely possible to provide quality Wi-Fi coverage to the guest room from the hallway, it typically requires planning, drilling holes and pulling cables, so the installation of each access point can take hours.

### AP 6511 Makes Wi-Fi Service Easy

The AP 6511 makes it fast, easy, and cost-effective for hotels or similar multiple dwelling unit (MDU) properties with multiple rooms to extend high-speed 802.11a/b/g/n Wi-Fi service with high performance coverage in every room, despite high radio frequency (RF) interference and attenuation (obstructions).

The AP 6511 is designed to deploy Wi-Fi service on the guest side of the firewall – without having to pull any cable— by simply repurposing the existing category 5 or category 6 cabling already in the rooms. An AP 6511 takes only minutes to install over an existing data jack and provides high performance 802.11a/b/g/n access for up to ten hotel rooms each. The design of the AP 6511 is both functional and inconspicuous. Its sleek “hide in plain site” design it does not affect the décor of any room.

The AP 6511 is adaptable to any hotel size. The unique Controller AP code will manage a network of up to 25 access points without a controller or it can be adopted by Motorola RFS4000, 6000, or 7000 controllers which enable higher scalability, centralized management, and integration with Motorola’s portfolio of indoor and

outdoor access points. Hotels can offer seamless wireless networking from guest rooms to conference resources and even outdoor pool and recreation facilities.

### Limited Service Hotel

#### *Profile*

A limited service hotel offers the lowest cost travel expense. Families stay here on vacation, looking to maximize their time and money. Cost conscious business travelers stretch the travel budget by using limited service hotels.

Every hotel guest, whether travelling for leisure or business, expects wireless high speed Internet. Families can access game websites and social networking to entertain the road-weary children and keep in touch with grandparents and other family members. Business travelers live for email, and remotely connect with the office using the Internet.

#### *Solution*

Limited service hotels can now offer wireless access in every room and every corner of the hotel. The AP 6511 fits the budget without burdening the hotel staff with a complex system to maintain or manage.

Any two AP 6511s can be designated as Controller APs; one primary and one backup. This allows any network of up to 25 AP 6511s to be managed without the expense of an RF controller.

The snap-on installation uses existing Cat5/6 wire already installed in the hotel. Installation is non-disruptive to hotel guest operations, and hides in plain sight.

#### *Key Features*

- 802.11a/b/g/n wireless in every room
- Intuitive, virtual RF controller code built into the network
- Rapid installation, tamperproof, non-disruptive

### Select Service Hotel

#### *Profile*

Select service hotels traditionally serve business travelers who need to maximize their time on the road. These hotels are located within or near business parks, allowing easy access to customers. Business travelers start the day off with a workout, a hearty breakfast, and relax at night at the bar.

Business travelers are a popular demographic. They tend to have more disposable income and use technology for business and pleasure. They live by email, remotely connect to the office, and use the Internet every day.

They will not tolerate poor wireless service. Bad word of mouth will really put a damper on repeat business. Select service hotels place a premium value on providing 100% wireless coverage for guest Internet access.

Select service hotels are in a competitive market. They always need to watch out for the next marketing opportunity. Recent trends toward High Definition IPTV are always of interest to the owner of a select service hotel.

#### *Solution*

The AP 6511 is modular by design. Select service hotels will use the AP 6511 with the optional Ethernet module to support additional guest services.

Some select service hotels will have meeting rooms and a public lobby for guest wireless access. If a higher capacity access point is desired in meeting rooms, the AP 650 will extend wireless networks with its high power transmitter. Both the AP 650 and AP 6511 can be managed from a Motorola RF controller such as the RFS 4000; sized perfectly for a select service hotel.

#### *Key Features*

- 802.11b/g/n wireless in every guest room, meeting room, lobby and backoffice
- High performance, scalable RF controller for centralized, redundant management
- Rapid installation, tamperproof, non-disruptive

## Full Service, Luxury Hotel

### *Profile*

Full service hotels deliver every amenity for the leisure or business traveler. Turndown service, 24-hour room service and on premise spa envelops the guest in luxury. Five star restaurants and pool side ordering complete the luxury package. Business travelers stay at full service hotels for the high level of service guarantee.

Often, full service hotels are located adjacent to or include large conference facilities. On premises conference facilities drive the business, and fill the hotel rooms. Conference attendees rightly expect a high degree of service assurance in the wireless network. Because point of sale applications can expose the hotel to wireless attacks, comprehensive wireless security is required for hotel standards and regulatory compliance.

The latest technology finds its way into full service hotels and guest rooms. The televisions are high definition (HD) with an interactive guest portal interface provided by an IPTV system. Touch screen VoIP appliances replace a simple phone with an interactive voice and music portal.

### *Solution*

Hotel guest rooms will use the AP 6511 for guest rooms wireless and wired LANs. Other Motorola wireless access points such as the AP 650 and AP 7131 extend a high performance, resilient wireless network into public areas, conference facilities, and the back office.

Motorola's AirDefense Service Platform provides wireless infrastructure management, in addition to proactive troubleshooting and PCI compliance.

### *Key Features*

- Converged IP network with wired and wireless 802.11b/g/n in every guest room, meeting room, lobby and backoffice
- High performance, scalable RF controllers for centralized, redundant, management
- Service guarantees across the entire wireless LAN network



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