

# WiFi Services

Simply Bits has the experience in design, engineering, equipment selection, access point placement, network management, and end-user support to provide a highly scalable and resilient WiFi experience for your business.



## Consistently delivering on the promise of great WiFi

Simply Bits is a leading local expert in WiFi services, assisting clients in design and engineering, implementation, maintenance, and management of WiFi solutions. Simply Bits has invested in a team of engineers that are skilled in user- and application-survey. Our engineers understand building construction and know how to mitigate common impediments to a quality WiFi

installation. We combine that experience with the absolute best WiFi equipment the industry has to offer to create WiFi solutions that offer maximum benefit to the target audience without ever compromising security or performance.



- Commercial-grade access points
- Superior and consistent performance
- Multi-directional high-gain elements
- Compatible with 802.11a/b/g/n/ac networks and clients
- Stable connections
- Automatic interference mitigation adaptation
- Minimal RF interference
- True polarization diversity
- Dead spot elimination
- Fewer access points and fewer wired drops needed
- Proprietary BeamFlex technology

## Managed WiFi Highlights

|                                                                 |                                                                  |
|-----------------------------------------------------------------|------------------------------------------------------------------|
| 24x7 tech support                                               | Software upgrades                                                |
| End user support                                                | Regular scheduled maintenance                                    |
| Full equipment warranty                                         | Custom programming                                               |
| "Hot" spare equipment replacements                              | Customer portal access                                           |
| Customizable splash page / login page                           | Client roaming                                                   |
| Multiple SSIDs allowing private WLANs and public Wi-Fi Hotspots | Multiple authentication and security protocols, including 802.1x |



**Call Us Today!**  
For a Complimentary  
Technology Assessment  
**(520) 545-7296**

# Simply Bits WiFi Solutions

Simply Bits deploys state-of-the-art access points offering a number of advanced features which improve performance. These features include true dual band operation (simultaneous 2.4GHz & 5GHz) and smart WiFi antenna array, which dynamically re-shapes the antenna array power to maximize performance on a per-client basis in real time. Unlike omni-directional antennas that radiate signals in all directions, our access points shape and direct transmissions on the best path to the receiving device. And unlike fixed-position directional antennas, our access points dynamically configure the “beam” on a per-station, per-packet basis, to achieve omni-directional coverage. Finally, our access points continuously monitor interference and adjust the signal path dynamically to maximize performance.

Our access points recall the direction of each connected client and adjust the antenna output with each outbound packet to ensure that every client receives the maximum signal strength and bandwidth—fewer access points are required versus legacy WiFi installations, saving money while never sacrificing performance.

WiFi technologies are subject to continuous probing by the hacker community, resulting in new threats and attacks. In response, any WiFi installation must be continuously monitored and kept current with security patches and firmware updates—with our managed WiFi solutions, Simply Bits handles these tasks so security remains intact over time.

Less equipment. More coverage. Better performance.

There are many factors that will reduce WiFi's performance to your device. The distance from the access point, materials within the walls and even devices such as baby monitors, microwaves and refrigerators can interfere with the signal from your router.

Our access points are engineered to remedy this with two distinct technologies:

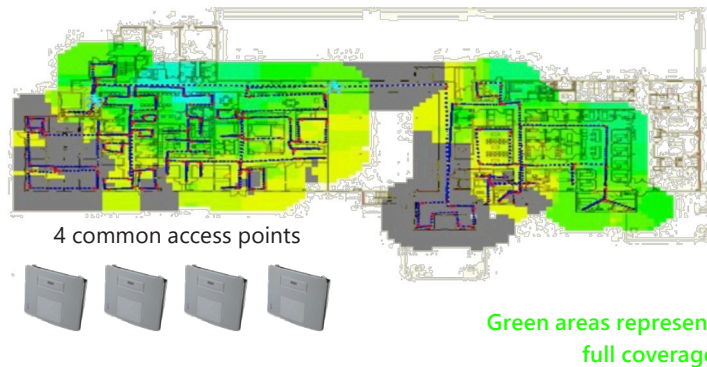
## BeamFlex Adaptive Antenna Technology

Our equipment is engineered with antenna systems that are compact, adaptive, and have the ability to manipulate antenna properties that create optimal antenna patterns for every connected device.

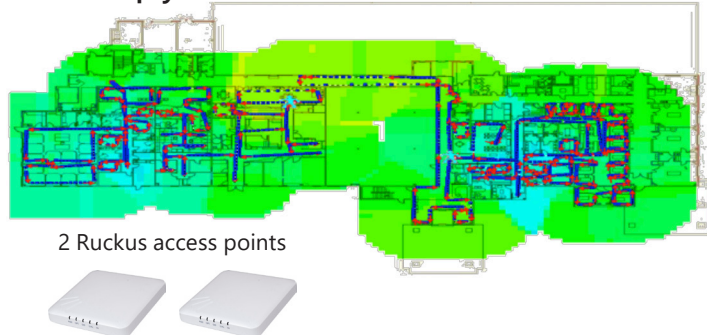
## Client Roaming

Wireless devices will switch from one AP to another quickly and intelligently as they move through a space. No loss of signal. No loss of connectivity.

### Before Simply Bits



### After Simply Bits



## The Results:

- Increased performance and range
- Clearer video and voice communications
- Maximized power efficiency

\* Products and services subject to change without notice. Some limitations apply. See associate for details.



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