



# Wi-Fi Services

Simply Bits has the experience in equipment selection, Access Point placement, network management, and user expectation management to provide a high-quality Wi-Fi solution.

Technical Consulting  
WLAN  
Site Survey  
Wi-Fi Hotspots  
Engineered for Success  
Reliability  
Minimized RF Interference  
Managed Options  
Superior Performance  
Commercial-grade Access Points  
Remote Monitoring



## Consistently delivering on the promise of Wi-Fi

Simply Bits is a leading local expert in Wi-Fi services, assisting clients in design and engineering, implementation, maintenance and management of Wi-Fi solutions. Simply Bits has invested in a team of engineers that are skilled in user- and application-survey, understand building construction and know how to mitigate outside RF interference, all of which are common major impediments to a quality Wi-Fi installation. We combine that experience with the absolute best Wi-Fi equipment the industry has to offer to create Wi-Fi solutions that are problem-free and offer maximum benefit to the target audience, without ever compromising security or performance.

### *Features for both WLANs and Wi-Fi Hotspots:*

- Access Points support simultaneous dual-band communication, 2.4GHz and 5GHz.
- Multiple SSIDs running side by side allow private WLANs and public Wi-Fi Hotspots without redundant equipment.
- Custom designed splash page or login page upon connection available.
- Multiple authentication and security protocols, including 802.1x, Active Directory, and dynamically generated pre-shared keys (PSKs).
- Flexible Access Point mounting options (desk, wall, ceiling, outdoor, etc.) allow ideal placement for optimal coverage.
- Managed solutions include automatic software upgrades and regular scheduled maintenance during customer off-peak hours, ensuring the continued security and integrity of your Wi-Fi solution.

## Call Us Today!

For a complimentary technology assessment

**(520) 545-0400**

State-of-the-art Technology Provides Unparalleled Wi-Fi Coverage and Performance

Managed Solutions Improve Security

## Dynamic Smart Antenna Arrays

Simply Bits deploys state-of-the-art Access Points that offers a number of advanced features that improve performance, including true dual band operation (simultaneous 2.4GHz & 5GHz) and smart Wi-Fi antenna array, which dynamically re-shapes the antenna array power to maximize performance on a per-client basis in real time. Unlike omnidirectional 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 omnidirectional coverage. Finally, our Access Points continuously monitor interference and adjust the signal path dynamically to maximize performance.

Our Access Points remember 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 Wi-Fi installations, saving you money while never sacrificing performance.

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

## WLAN Service

Our Wireless LAN (WLAN) Service provides the foundation organizations need to allow a variety of wireless devices to connect to the corporate network. This offers our customers a level of flexibility unmatched by traditional wired networks. In addition to the inherent mobility a WLAN affords, it also allows businesses and employees to interact in ways not formerly available, which can directly translate into business agility and responsiveness. Teams can form and meet anywhere within the WLAN coverage, escaping the constraints of wired technology without giving up access to critical resources. Time is not lost finding LAN drops, connecting and hoping for appropriate access. Employees are more productive and business gets done.

## Wi-Fi Hotspot Service

For organizations looking to increase customer traffic or offer patrons and guests additional amenities, a Simply Bits Wi-Fi Hotspot is a perfect fit. Whether you are a restaurant looking to offer a one hour time limit to turn tables, a medical facility wanting to offer Wi-Fi in waiting rooms, or a retail location planning to offer free Wi-Fi to attract more patrons, Simply Bits will work with you to create hotspots to meet your needs in terms of time restrictions, access restrictions, and customer directed advertising/information. Best of all, because all of our Access Points support multiple simultaneous SSIDs and VLANs, providing a Wi-Fi Hotspot usually does not require any extra or redundant equipment.

### *Supporting BYOD*

With the proliferation of personal smart phones, tablets and laptops, employees want to use their own devices at work—and employers are beginning to see the value in allowing them to do so in a controlled manner. The movement, called Bring Your Own Device—or BYOD—is taking hold. Simply Bits engineers have many combined years of experience assisting our clients in deploying BYOD solutions. If your organization is considering a BYOD solution, we recommend implementing a policy and technologies that safeguard against security risks and loss of infrastructure control as new, privately-owned devices connect to your networks. A proactive BYOD strategy increases both security and compliance.

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



Now  
You're  
Thinkin'  
Smart!