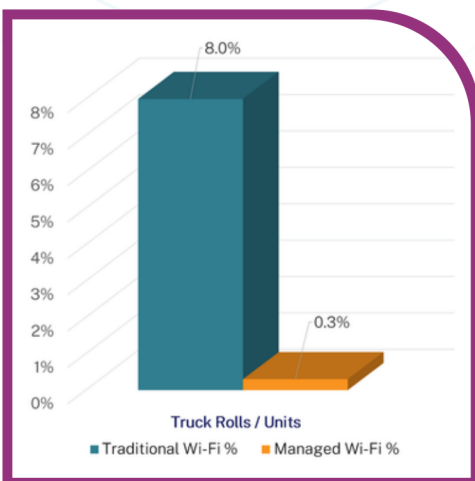# What is **Managed** Wi-Fi?

Traditional Residential Internet

Cable and phone companies have delivered consumer-grade technologies (modems and routers) and unmanaged networks to multifamily residents for years. This traditional residential architecture meant that each home had a private Wi-Fi network. And one or more insecure Wi-Fi networks covered the common areas (gym, pool, and clubhouse). This meant a 100-unit building would have at least 101 Wi-Fi networks blasting and overlapping the neighboring networks above, below, across, and next door. The network noise and RF interference would negatively impact the residents' Wi-Fi reliability and performance.

Managed Wi-Fi

Managed Wi-Fi is a multifamily, high-speed Internet service provided by an Internet Service Provider (ISP) that uses a pre-installed enterprise network architecture to provide community-wide Wi-Fi coverage. Each unit (or bed) receives private Wi-Fi credentials and a secure Virtual Local Area Network to keep their network activity separate from other users. Residents can visit the gym, pool, clubhouse, parking garage, outdoor amenities, and neighbors without losing connectivity, performance, or privacy. The network security, equipment, availability, and performance are all proactively managed 24x7 by a Network Operations Center (NOC).

What's the difference?

There are significant benefits with Managed Wi-Fi, including network construction, onboarding, management, support, coverage, and functionality:

- Single, secure, community-wide network
- Pre-installed enterprise network equipment
- PMS integration for automated Wi-Fi onboarding
- Remote management (significantly fewer truck rolls)
- Symmetrical Speeds (same download/upload)
- Access Point (Wi-Fi) redundancy and load balancing
- Foundation for Smart Apartments and Smart Buildings

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