

# AT A GLANCE



## Airvine and the Evolution of Indoor Enterprise Networking

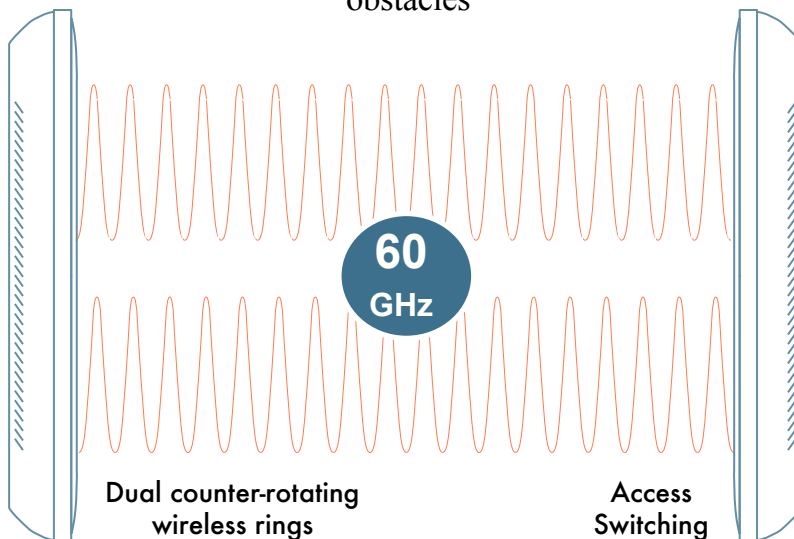
### Merging of Intelligent Switching with Broadband Wireless

#### KEY BENEFITS

- Immersive Digital Experience where broadband services can be enabled in minutes anywhere in the enterprise
- Traffic can be automatically directed over the optimum path for enhanced reliability
- No business disruptions during installs
- Multi-gigabit/sec data transfer rates
- Easily installs in ANY type of building
- Supports multiple access networks with secure partitioning
- Pay-as-you-grow architecture for maximum flexibility

UP TO 100 METERS

>20 dB of side lobe suppression • 16 QAM modulation  
High-gain (28 dBi) beamforming antenna • Automatic  
beam steering ( $\pm 45^\circ$  along the azimuth) • Forward  
error correction • Penetrates walls and steers around  
obstacles



Airvine has developed a distributed switching architecture that will radically transform how networks are built. The switching function moves out of the wiring closet and much closer to the users.

This allows for much greater flexibility in the provisioning of services through a combination of both wired and wireless ports. Installs and moves, adds, and changes can be enabled in minutes.

#### TARGET MARKETS

- Hospitality
- Multi-dwelling Units (MDUs)
- Higher education
- Hospitals & medical centers
- Large public venues (LPVs)
- Warehousing & logistics
- Manufacturing operations

#### AIRVINE MAGIC

Intelligent switch with both wired and wireless ports that are capable of gigabit/sec data transfer rates.

Patented RF innovations extend the range and gain of wireless signals, penetrating walls and steering around obstacles that impede transmission. Something never before possible within the 60 GHz band.

GigE ports are capable of providing both POE-in to the unit as well as POE-out to a connected Wi-Fi access point or other access device.



WaveTunnel technology can be deployed in a dual counter-rotating wireless ring configuration for enhanced survivability. A failure anywhere in the ring causes neighbor nodes to loopback traffic and connectivity to the Internet is maintained.

Heavy traffic areas can be handled with a spur that can also add/drop traffic at intermediate nodes.

WaveTunnel nodes can route around obstructions or punch right through them using a high-gain (28 dBi) beamforming antenna. This results in a signal that is 500X stronger as seen by the receiver.

Automatic beam steering allows nodes to be installed by techs with NO RF experience.



## INSTALLATION:

- 1) Screw bracket into ceiling
- 2) Snap the WaveTunnel unit onto the bracket
- 3) Plug unit into power (AC or POE-in)
- 4) Configure with the Airvine APP that runs on Android or Apple smartphones
- 5) Connect Ethernet cable to the local Wi-Fi AP
- 6) Done!



## ABOUT AIRVINE

Airvine is a fast-growing Silicon Valley innovator of intelligent broadband wireless backhaul solutions for the enterprise. The company has developed the industry's first indoor 60 GHz wireless system that delivers multi-gigabit/sec data transfer rates without any of the complexity of legacy solutions. Patented RF innovations extend the range and gain of wireless signals, penetrating walls and steering around obstacles that impede transmission. Something never before possible within the 60 GHz band.