

# iBridge N5-45 Antenna

## Sector Antenna

The iBridge N5-45 is the industry's first sector antenna to deliver the best of both worlds — incredible noise rejection and long-distance performance, with wideband 4.9–6.4 GHz operation for fixed wireless broadband. The dual-slant polarization, 45° sector can be used with any third-party 2x2 MIMO radio solution, or two N5-45 antennas can be connected to the 4x4 MIMO iBridge A5c access point, aimed in different directions, for 2x and 4x spectrum reuse, superior range and noise rejection at collocation and tower sites.

### Reject Noise and Synchronize

Overcoming noise at tower sites is key to scaling capacity. The N5-45 delivers industry-leading side lobe rejection and an unprecedented 43 dB front-to-back (FTB) performance — the highest FTB ratio of any sector or horn antenna in the industry. Compatible with any third-party, 2x2 MIMO radio solution, there's no higher performance antenna in the industry.

### Wideband Operation

Supporting 4.9 GHz public safety applications and multipoint licensed operation up to 6.4 GHz, where regulations allow, the N5-45x2 provides an additional 800 MHz of spectrum beyond the crowded 5.15–5.85 GHz unlicensed channels.

### Go the Distance

The iBridge N5-45 offers the best of both worlds — a long distance, high gain sector with the superior noise isolation of a horn. Competitive sectors offer high-gain, but fail to reduce side lobe and front-to-back noise. Symmetric horn antennas achieve good noise isolation, but typically offer lower gain and inefficient symmetrical ground coverage patterns.



Need more information? Get in touch with the Airspan sales team by visiting [airspan.com/contact](http://airspan.com/contact).