airFiber® NxN

Scalable airFiber® MIMO Multiplexer

Models: AF-MPx4, AF-MPx8

4x4 or 8x8 MIMO Backhaul Technology

Reduced Tower Footprint and Cost

Superior Link Redundancy Solution

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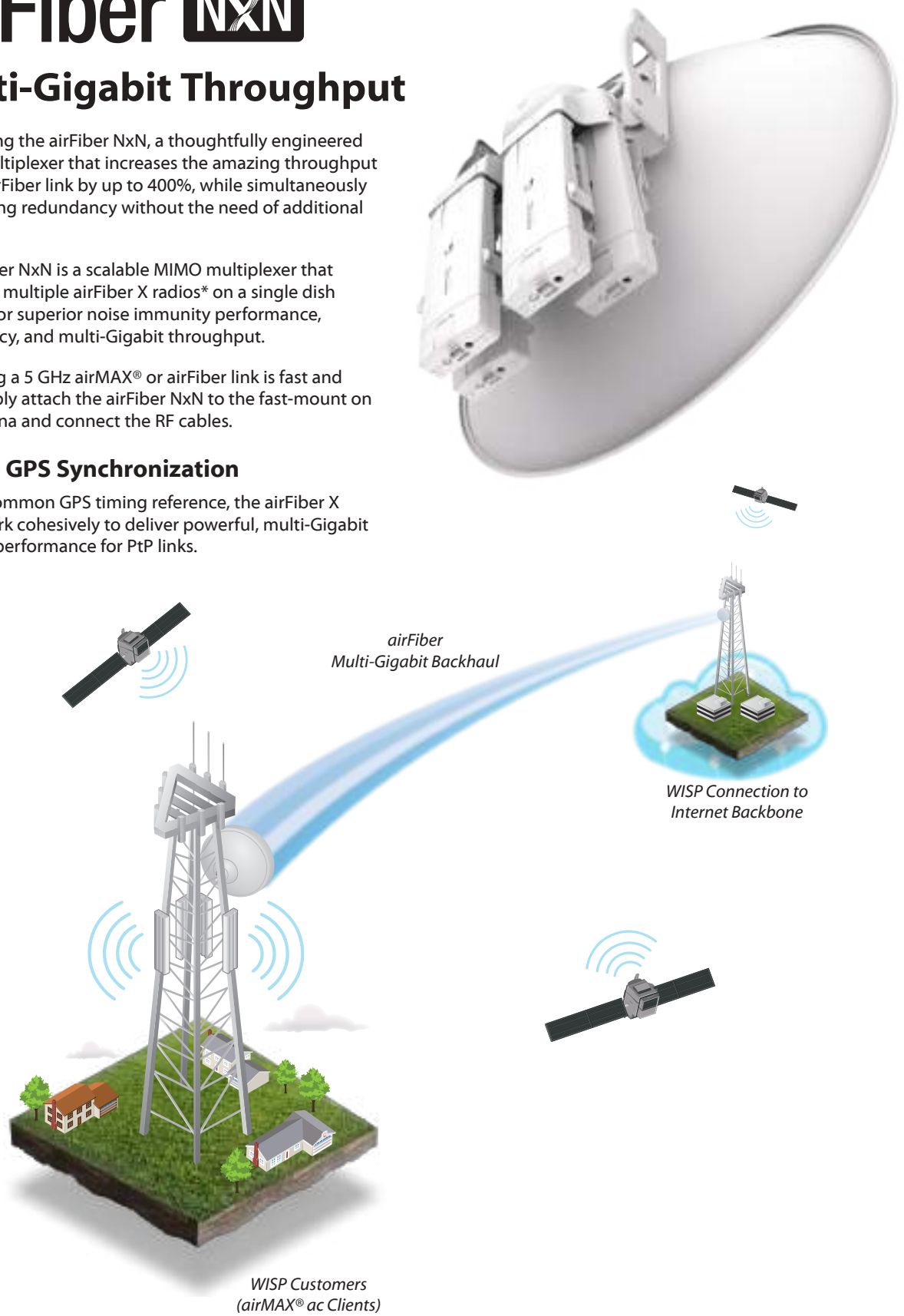
airFiber® NxN

Multi-Gigabit Throughput

Introducing the airFiber NxN, a thoughtfully engineered MIMO multiplexer that increases the amazing throughput of your airFiber link by up to 400%, while simultaneously establishing redundancy without the need of additional antennas.

The airFiber NxN is a scalable MIMO multiplexer that combines multiple airFiber X radios* on a single dish antenna for superior noise immunity performance, redundancy, and multi-Gigabit throughput.

Upgrading a 5 GHz airMAX® or airFiber link is fast and easy. Simply attach the airFiber NxN to the fast-mount on the antenna and connect the RF cables.

Precise GPS Synchronization

Using a common GPS timing reference, the airFiber X radios work cohesively to deliver powerful, multi-Gigabit bridging performance for PtP links.

airFiber
Multi-Gigabit Backhaul

WISP Connection to
Internet Backbone

WISP Customers
(airMAX® ac Clients)

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* In this DataSheet, *airFiber X radios* refers to both the 4X and 5X models, AF-4X and AF-5X, respectively.

4x4 or 8x8 MIMO Backhaul Technology

Simply mount two or four airFiber AF-5X or AF-4X radios for Plug and Play installation. You can use multiple channels—even adjacent channels with no guard band—and place them anywhere within the radio band.

Reduced Tower Costs

Multiple airFiber X radios mounted on a single dish antenna maximizes throughput and capacity in a clean, compact tower footprint, minimizing tower costs. For instance, the AF-8x8 consolidates four airFiber X dish antennas into one dish, or replaces up to 8+ non-airFiber links.

Reduce tower rental costs by up to 75% for substantial long-term savings.

Paired with the EdgePoint™ for Superior Performance

The EdgePoint provides link aggregation and powerful configuration features, including radio-link load balancing and advanced reliability for optical fiber deployments. The tower-mounted EdgePoint also simplifies the deployment by providing power to the airFiber X radios, so there is no need for individual PoE adapters and additional cabling.

airFiber® NxN

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Models

AF-MPx4

- 4x4 MIMO
- Multiplex (2) airFiber X radios*
- Aggregate Throughput up to 1+ Gbps
- Up to 1 Redundant Link

2X FASTER THROUGHPUT

AF-MPx8

- 8x8 MIMO
- Multiplex up to (4) airFiber X radios*
- Aggregate Throughput up to 2+ Gbps
- Up to 3 Redundant Links

4X FASTER THROUGHPUT

* airFiber radios and antennas sold separately.
    Compatible antennas: airFiber AF-5G30-S45, AF-5G34-S45; RocketDish™

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