

FIBER-FAST WIRELESS BROADBAND



mimosa
by *Airspan*

NO FIBER? NO PROBLEM

The high cost of fiber-to-the-home and the declining share of internet traffic carried over mobile networks has reinvigorated demand for a disruptive alternative in fixed broadband. In the U.S., over 80% of the population lives in cities or suburbs, and incredibly, over half of those areas have only one ISP option for high-speed internet.

Visionary in our approach, Mimosa by Airspan is reimagining how people get amazing internet access. Mimosa enables fiber-fast, fixed wireless broadband connectivity for dense urban and hard-to-reach rural areas for a fraction of the cost of traditional wireline solutions. We aim to make internet access faster, stronger, and more accessible than it is today. We believe the internet should be incredibly scalable, with gigabit speeds available anywhere in the world.

WHAT SETS US APART



PERFORMANCE

Carrier-grade, gigabit speeds with Spectrum Reuse Sync (SRS/GPS Sync)



VALUE

Industry-leading cost-to-performance ratio with award-winning support



EASE OF USE

Comprehensive, simple, scalable network and device management

AWARDS



FIXED WIRELESS BROADBAND
SOLUTION OF THE YEAR
Mobile Breakthrough



INNOVATION
ACHIEVEMENT
CANTO



RURAL WIRELESS
SOLUTION OF THE YEAR
Mobile Breakthrough



TOP 100
COMPANY
Red Herring



BEST CUSTOMER
SUPPORT
Wisepalooza



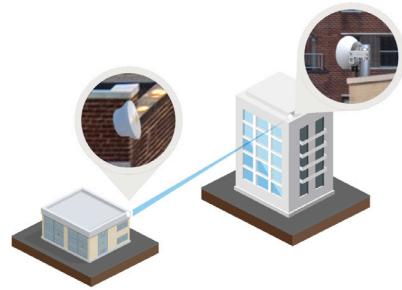
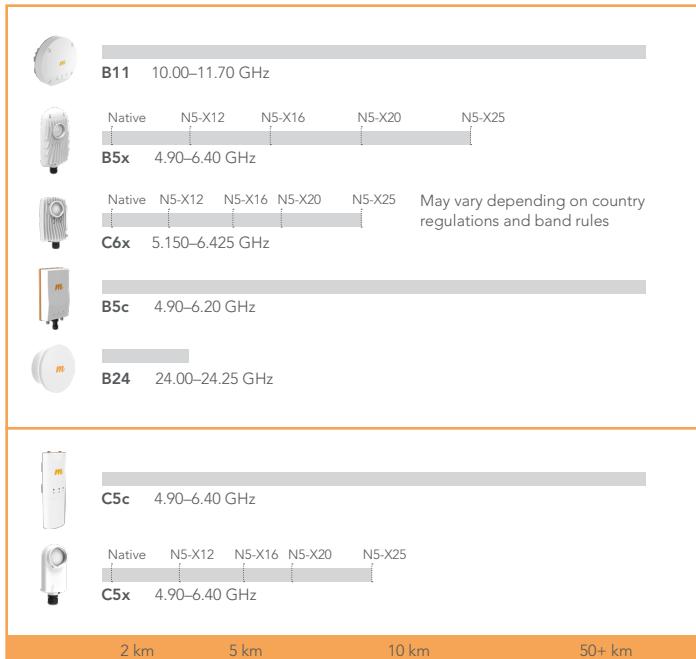
TECHNOLOGY
PIONEER
World Economic Forum



POINT-TO-POINT (PTP) SOLUTIONS

ENABLING THE CONNECTION OF
TWO LOCATIONS WITH THE USE OF
MIMOSA PTP BACKHAUL RADIOS

POINT-TO-POINT (PTP) SOLUTIONS



HIGH-RELIABILITY PTP

The B11, B5x, C6x, B5c, and B24 deliver aggregate IP speeds of up to 1.75 Gbps, with Dual Link, SRS (GPS Sync), and an IP67 rating.

HIGH-VALUE PTP

The C5c and modular C5x deliver aggregate IP speeds of up to 700 Mbps, supporting an extended frequency range and a minimum IP55 rating.

B11 PTP BACKHAUL RADIO

With remarkable price/performance, Mimosa's B11 radio is designed for licensed backhaul. The B11 adapts instantly to variable upstream and downstream bandwidth requirements, at one of the lowest cost per megabit in the industry.

FREQUENCY

10.00–11.70 GHz
(Licensed)

THROUGHPUT

Up to 1.5 Gbps
(IP aggregate)

ANTENNA

Waveguide (not included)

INTERFERENCE MITIGATION

Licensed Spectrum

RANGE

50+ km (30+ mi)

OUTDOOR RATING

IP67

LATENCY

< 1 ms

OUTPUT POWER

24 dBm

POWER CONSUMPTION

30 W

DIMENSIONS

Height: 260 mm (10.2 in)
Width: 243 mm (9.6 in)
Depth: 70 mm (2.8 in)
(without an antenna)

WEIGHT

2 kg (4.4 lbs)

NETWORK INTERFACE

Single Ethernet and Fiber



B5x PTP BACKHAUL RADIO

The Mimosa B5x is one of the industry's fastest connectorized and unlicensed solutions. It's ideal for short to medium-range relay and tower links, custom-engineered collocation, and licensed 4.9 GHz spectrum. Extremely reliable, its twist-on antennas make it super flexible.



FREQUENCY

4.90–6.40 GHz (Unlicensed)

THROUGHPUT

Up to 1.5 Gbps (IP aggregate)

ANTENNA

Twist-On N5-X Options
(12, 16, 20, 25 dBi)
(not included)

INTERFERENCE

MITIGATION

Dual Link; SRS (GPS Sync);
Auto-Everything (Gain Control,
Power, Channel Width,
Modulation, & Frequency)

RANGE

Native (8 dBi): Up to 0.4 km (0.3 mi)
N5-X12 Horn (12 dBi): Up to 6 km (4 mi)
N5-X16 Horn (16 dBi): Up to 9 km (6 mi)
N5-X20 Dish (20 dBi): Up to 12 km (8 mi)
N5-X25 Dish (25 dBi): Up to 16 km (10 mi)

OUTDOOR RATING

IP67

LATENCY

< 1 ms

OUTPUT POWER

30 dBm

POWER CONSUMPTION

20 W

DIMENSIONS

Height: 241 mm (9.5 in)
Width: 139 mm (5.5 in)
Depth: 76 mm (3.0 in)
(without an antenna)

WEIGHT

1.4 kg (3.1 lbs)

NETWORK INTERFACE

Single Ethernet



C6x PTP BACKHAUL RADIO

Using Wi-Fi 6E OFDMA technology, the C6x achieves extremely low-latency speeds of up to 1.75 Gbps, and high reliability with new noise fighting features. With modular, twist-on antennas, it can also be used in PTMP client applications. Certain modes may require the purchase of license keys.



FREQUENCY

5.150–6.425 GHz (Unlicensed)

THROUGHPUT

Up to 1.75 Gbps (IP aggregate)
with purchased license key

ANTENNA

Twist-On N5-X Options
(12, 16, 20, 25 dBi)
(not included)

INTERFERENCE

MITIGATION

Dual Link; SRS (GPS Sync);
Auto-Everything (Gain Control,
Power, Channel Width,
Modulation, & Frequency)

RANGE

May vary depending on country
regulations and band rules

Native (8 dBi): Up to 0.3 km (0.3 mi)
N5-X12 Horn (12 dBi): Up to 5 km (3 mi)
N5-X16 Horn (16 dBi): Up to 8 km (5 mi)
N5-X20 Dish (20 dBi): Up to 11 km (7 mi)
N5-X25 Dish (25 dBi): Up to 14 km (9 mi)

OUTDOOR RATING

IP67

LATENCY

< 1 ms

OUTPUT POWER

27 dBm

POWER CONSUMPTION

20 W

DIMENSIONS

Height: 178 mm (5.0 in)
Width: 113 mm (4.5 in)
Depth: 67 mm (2.6 in)
(without an antenna)

WEIGHT

0.7 kg (1.54 lbs)

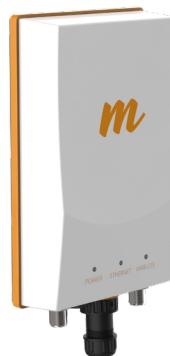
NETWORK INTERFACE

Single Ethernet

B5c PTP BACKHAUL RADIO

The Mimosa B5c is the industry's fastest connectorized, unlicensed, and Public Safety connectivity solution, allowing virtually any antenna to be used for long-distance backhaul. The B5c is ideal for long-range relay, tower links, and custom-engineered collocation.

FREQUENCY 4.90–6.20 GHz (Unlicensed)	RANGE 50+ km (30+ mi)	DIMENSIONS Height: 267 mm (10.5 in) Width: 158 mm (6.2 in) Depth: 74 mm (2.9 in) (without an antenna)
THROUGHPUT Up to 1.5 Gbps (IP aggregate)	OUTDOOR RATING IP67	WEIGHT 1.6 kg (3.5 lbs)
ANTENNA Connectorized 4x4 (not included)	LATENCY < 1 ms	NETWORK INTERFACE Single Ethernet
INTERFERENCE MITIGATION Dual Link; SRS (GPS Sync); Auto-Everything (Gain Control, Power, Channel Width, Modulation, & Frequency)	OUTPUT POWER 30 dBm	POWER CONSUMPTION 20 W



B24 PTP BACKHAUL RADIO

Breaking through the barriers of price, size, and power requirements, the Mimosa B24 achieves incredible performance at a disruptive price that fits the economics of broadband providers and enterprises in suburban and urban markets.



FREQUENCY

24.00–24.25 GHz
(Unlicensed)

THROUGHPUT

Up to 1.5 Gbps
(IP aggregate)

ANTENNA

Integrated 33 dBi

INTERFERENCE MITIGATION

Dual Link; SRS (GPS Sync);
Auto-Everything (Gain Control,
Power, Channel Width,
Modulation, & Frequency)

RANGE

Up to 3 km (2 mi)

OUTDOOR RATING

IP67

LATENCY

< 1 ms

OUTPUT POWER

-20 dBm

POWER CONSUMPTION

19.5 W

DIMENSIONS

Diameter: 260 mm (10.2 in)
Depth: 252 mm (9.9 in)
(with mounting bracket)

WEIGHT

2.8 kg (6.2 lbs)

NETWORK INTERFACE

Single Ethernet and Fiber

C5c PTP BACKHAUL RADIO

At one third the cost of existing solutions, the Mimosa C5c backhaul can easily handle long-range PTP deployments. Connectorized, the C5c mates with many popular antennas. In addition to operating as a backhaul, the C5c can also be used in PTMP client applications.

FREQUENCY 4.90–6.40 GHz (Unlicensed)	RANGE 50+ km (30+ mi)	DIMENSIONS Height: 189 mm (7.4 in) Width: 65 mm (2.6 in) Depth: 44 mm (1.7 in) (without an antenna)
THROUGHPUT Up to 700 Mbps (IP aggregate)	OUTDOOR RATING IP55	WEIGHT 0.3 kg (0.7 lbs)
ANTENNA Connectorized 2x2 (not included)	LATENCY < 1 ms	NETWORK INTERFACE Single Ethernet
INTERFERENCE MITIGATION Auto-Everything (Gain Control, Power, Channel Width, Modulation, & Frequency)	OUTPUT POWER 27 dBm	POWER CONSUMPTION 12.9 W



C5x PTP BACKHAUL RADIO

The Mimosa C5x is the industry's most versatile, modular, radio solution with five gain options (8, 12, 16, 20 and 25 dBi) and best-in-class noise immunity. In addition to operating as a backhaul, the C5x can also be used in PTMP client applications.



FREQUENCY

4.90–6.40 GHz
(Unlicensed)

THROUGHPUT

Up to 700 Mbps
(IP aggregate)

ANTENNA

Twist-On N5-X Options
(12, 16, 20, 25 dBi)
(not included)

INTERFERENCE MITIGATION

Noise-Rejecting Antennas;
Auto-Everything (Gain Control,
Power, Channel Width,
Modulation, & Frequency)

RANGE

Native (8 dBi): Up to 0.4 km (0.2 mi)
N5-X12 Horn (12 dBi): Up to 3 km (2 mi)
N5-X16 Horn (16 dBi): Up to 5 km (3 mi)
N5-X20 Dish (20 dBi): Up to 7 km (4 mi)
N5-X25 Dish (25 dBi): Up to 10 km (6 mi)

OUTDOOR RATING

IP67

LATENCY

< 1 ms

OUTPUT POWER

27 dBm

POWER CONSUMPTION

12.9 W

DIMENSIONS

Height: 175 mm (6.9 in)
Width: 70 mm (2.8 in)
Depth: 61 mm (2.4 in)
(without an antenna)

WEIGHT

0.4 kg (0.9 lbs)

NETWORK INTERFACE

Single Ethernet



POINT-TO- MULTIPOINT (PTMP) SOLUTIONS

ENABLING THE CONNECTION OF
MULTIPLE LOCATIONS VIA LINKS
FROM A MIMOSA ACCESS POINT

POINT-TO-MULTIPOINT (PTMP) SOLUTIONS

MICROPOP (SHORT-RANGE) ARCHITECTURE

Designed for dense, urban, and suburban neighborhoods, our MicroPoP solution targets up to 1.75 Gbps client speeds—powerful enough to compete against DSL, cable, and FTTH.



ACCESS POINTS

- A5
- A6
- A5x + N5-45x2 Antenna
- A5c + N5-45x2 Antennas
- A5c + N5-45x4 Antenna
- A5c + N5-360 Antenna

CLIENT RADIOS

- C5x (native)
- C5x + any N5-X Antenna
- C6x (native)
- C6x + any N5-X Antenna
- C5c + 3rd Party Antenna

TOWER (LONG-RANGE) ARCHITECTURE

Supports, long-range, massive scaling of subscribers and capacity at existing towers, as well as easy build-out of new tower locations closer to potential subscribers.



ACCESS POINT

- A6
- A5x + N5-45x2 Antenna
- A5c + N5-45x2 Antennas
- A5c + N5-45x4 Antenna

CLIENT RADIO

- C5x + N5-X25 Dish
- C6x + N5-X25 Dish
- C5c + High-Gain 3rd Party Antenna

A5 PTMP ACCESS POINT

The Mimosa A5 access point delivers cutting-edge multipoint technology for service providers. Designed for high-density, short-range applications, the A5 features advanced interference reduction techniques to enable service in underserved markets.

FREQUENCY
4.90–6.40 GHz (Unlicensed)
(Frequency above 6.20 GHz
requires P/N 100-000xx-01)

THROUGHPUT
Up to 1 Gbps
(IP aggregate)

ANTENNA
Integrated 14 dBi
Omni 360°

INTERFERENCE MITIGATION
SRS (GPS Sync); Auto-Everything
(Gain Control, Power, Channel
Width, Modulation, & Frequency)

CLIENT CAPACITY
44 with SRS/GPS Sync
100 with WiFi Interop

RANGE
Short-Range

OUTDOOR RATING
IP55

LATENCY
< 1 ms

OUTPUT POWER
30 dBm

POWER CONSUMPTION
25 W

DIMENSIONS
Height: 314 mm (12.4 in)
Diameter: 142 mm (5.6 in)

WEIGHT
1.8 kg (4.0 lbs)

NETWORK INTERFACE
Single Ethernet



A6 PTMP ACCESS POINT

The A6 access point delivers up to 7 Gbps capacity, significant subscriber capacity, and synchronized network scalability for unlicensed, outdoor, fixed wireless PTMP networks. The Wi-Fi 6E-based A6 takes advantage of expanded 160 MHz channels in the 6 GHz band.



FREQUENCY

5.150–6.425 GHz (Unlicensed)

THROUGHPUT

Up to 7 Gbps
(IP aggregate)

ANTENNA

Integrated 24 dBi

INTERFERENCE MITIGATION

Beamforming; Noise-Rejecting Antenna; SRS (GPS Sync); Auto-Everything (Gain Control, Power, Channel Width, Modulation, & Frequency)

CLIENT CAPACITY

200+

RANGE

Short to Long-Range

OUTDOOR RATING

IP67

LATENCY

< 1 ms

OUTPUT POWER

29 dBm

POWER CONSUMPTION

40 W

DIMENSIONS

Height: 490 mm (19 in)
Width: 295 mm (11.6 in)
Depth: 75 mm (3 in)
(without an antenna)

WEIGHT

3.95 kg (8.7 lbs)

NETWORK INTERFACE

Single Ethernet or
10 Gbps SFP+ (optical)

A5x PTMP ACCESS POINT

Compact, cost-effective, and flexible, the Mimosa A5x is well suited for short to medium-range pole and tower multipoint applications, access point colocation, and Public Safety multipoint (4.9 GHz, with the ROW product).

FREQUENCY

5.15–5.85 GHz FCC/ETSI/CA
4.90–6.40 GHz ROW
(Unlicensed)

THROUGHPUT

Up to 700 Mbps
(IP aggregate)

INTERFERENCE MITIGATION

Noise-Rejecting Antenna (N5-45x2);
SRS (GPS Sync); Auto-Everything
(Gain Control, Power, Channel Width,
Modulation, & Frequency)

ANTENNA

Connectorized 2x2
(not included)

CLIENT CAPACITY

44 with SRS/GPS Sync
64 with WiFi Interop

RANGE

Short to Long-Range

OUTDOOR RATING

IP67

LATENCY

< 1 ms

OUTPUT POWER

27 dBm

POWER CONSUMPTION

9.5 W

DIMENSIONS

Height: 188 mm (7.4 in)
Width: 75 mm (3 in)
Depth: 44 mm (1.7 in)
(without an antenna)

WEIGHT

0.3 kg (0.7 lbs)

NETWORK INTERFACE

Single Ethernet



A5c PTMP ACCESS POINT

With fast client speeds and great access point capacity, along with local and network-wide spectrum reuse, the connectorized Mimosa A5c delivers the highest possible scale for any unlicensed fixed wireless network. The A5c is perfectly suited for longer-range PTMP applications.



FREQUENCY

4.90–6.40 GHz (Unlicensed)
(Frequency above 6.20 GHz
requires P/N 100-000xx-01)

THROUGHPUT

Up to 1 Gbps
(IP aggregate)

ANTENNA

Connectorized 4x4
(not included)

INTERFERENCE MITIGATION

Beamforming; Noise-Rejecting
Antennas (N5-45); SRS (GPS Sync);
Auto-Everything (Gain Control,
Power, Channel Width, Modulation,
& Frequency)

CLIENT CAPACITY

44 with SRS/GPS Sync
100 with WiFi Interop

RANGE

Short to Long-Range

OUTDOOR RATING

IP67

LATENCY

< 1 ms

OUTPUT POWER

30 dBm

POWER CONSUMPTION

25 W

DIMENSIONS

Height: 300 mm (11.8 in)
Width: 151 mm (5.9 in)
Depth: 85 mm (3.3 in)
(without an antenna)

WEIGHT

1.8 kg (4.0 lbs)

NETWORK INTERFACE

Single Ethernet

C6x PTMP CLIENT RADIO

Using Wi-Fi 6E OFDMA technology, the C6x achieves extremely low-latency speeds of up to 1.75 Gbps, and high reliability with new noise fighting features. With modular, twist-on antennas, it can also be used in PTP backhaul applications. Certain modes may require the purchase of license keys.

FREQUENCY
5.150–6.425 GHz (Unlicensed)

THROUGHPUT
Up to 1.75 Gbps (IP aggregate)
with purchased license key

ANTENNA
Twist-On N5-X Options
(12, 16, 20, 25 dBi) (not included)

INTERFERENCE MITIGATION
Dual Link; SRS (GPS Sync);
Auto-Everything (Gain Control,
Power, Channel Width, Modulation,
& Frequency)

OUTDOOR RATING
IP67

LATENCY
< 1 ms

OUTPUT POWER
27 dBm

POWER CONSUMPTION
20 W

DIMENSIONS
Height: 178 mm (5.0 in)
Width: 113 mm (4.5 in)
Depth: 67 mm (2.6 in)
(without an antenna)

WEIGHT
0.7 kg (1.54 lbs)

NETWORK INTERFACE
Single Ethernet



C5x PTMP CLIENT RADIO

The Mimosa C5x is the industry's most versatile, modular, radio solution with five gain options (8, 12, 16, 20 and 25 dBi) and best-in-class noise immunity. In addition to operating as a client radio, the C5x can also be used in PTP backhaul applications.



FREQUENCY

4.90–6.40 GHz
(Unlicensed)

THROUGHPUT

Up to 700 Mbps
(IP aggregate)

ANTENNA

Twist-On N5-X Options
(12, 16, 20, 25 dBi)
(not included)

INTERFERENCE MITIGATION

Noise-Rejecting Antennas;
Auto-Everything (Gain Control,
Power, Channel Width, Modulation,
& Frequency)

OUTDOOR RATING

IP67

LATENCY

< 1 ms

OUTPUT POWER

27 dBm

POWER CONSUMPTION

12.9 W

DIMENSIONS

Height: 175 mm (6.9 in)
Width: 70 mm (2.8 in)
Depth: 61 mm (2.4 in)
(without an antenna)

WEIGHT

0.4 kg (0.9 lbs)

NETWORK INTERFACE

Single Ethernet

C5c PTMP CLIENT RADIO

The Mimosa C5c client radio can easily handle longer-range, rural tower, PTMP deployments. Connectorized by design, the C5c mates with many popular antennas. In addition to operating as a client radio, the C5c can also be used in PTP backhaul applications.

FREQUENCY
4.90–6.40 GHz
(Unlicensed)

THROUGHPUT
Up to 700 Mbps
(IP aggregate)

ANTENNA
Connectorized 2x2
(not included)

INTERFERENCE MITIGATION
Auto-Everything (Gain Control,
Power, Channel Width, Modulation,
& Frequency)

OUTDOOR RATING
IP55

LATENCY
< 1 ms

OUTPUT POWER
27 dBm

DIMENSIONS
Height: 189 mm (7.4 in)
Width: 65 mm (2.6 in)
Depth: 44 mm (1.7 in)
(without an antenna)

POWER CONSUMPTION
12.9 W

WEIGHT
0.3 kg (0.7 lbs)

NETWORK INTERFACE
Single Ethernet



ANTENNAS AND ACCESSORIES



N5-45x2 SECTOR ANTENNA

The Mimosa N5-45x2 is the industry's first two-port sector antenna to deliver the best of both worlds—credible noise rejection and long-distance performance, with wideband 4.90–6.40 GHz operation.

FREQUENCY
4.90–6.40 GHz

ELECTRICAL DOWNTILT
2°

WEIGHT
2.8 kg (6.2 lbs)

GAIN
19 dBi

FRONT-TO-BACK RATIO
43 dB

RECOMMENDED FOR
A5c
A5x

CONNECTORS
(2) N-Type Female

OUTDOOR RATING
IP55

Other 3rd Party 2x2 APs

POLARIZATION
Slant 45°

DIMENSIONS
Height: 427 mm (16.8 in)
Width: 143 mm (5.62 in)
Depth: 76 mm (3.0 in)



N5-45x4 SECTOR ANTENNA

The Mimosa N5-45x4 also delivers the best of both worlds—all the beamforming gain and ground coverage of a sector, with all the sidelobe rejection of a horn. A four-port antenna, it also boasts wideband 4.90–6.40 GHz operation.



FREQUENCY	4.90–6.40 GHz	ELECTRICAL DOWNTILT	WEIGHT
GAIN	22 dBi (19 dBi + 3 dBi Beamforming)	2°	4.1 kg (9.0 lbs)
CONNECTORS	(4) N-Type Female	FRONT-TO-BACK RATIO	RECOMMENDED FOR
POLARIZATION	Dual-Slant 45°	43 dB	A5c Other 3 rd Party 4x4 APs
		OUTDOOR RATING	
		IP55	
		DIMENSIONS	
		Height: 734 mm (28.9 in)	
		Width: 143 mm (5.6 in)	
		Depth: 76 mm (3.0 in)	

N5-360 ANTENNA

The industry's first 4-port, beamforming, 360° antenna specifically designed exclusively for Mimosa's A5c access point. The N5-360 antenna's unique design incorporates quad-180° overlapping antenna polarizations, doubling the coverage of short-range, MicroPoP deployments.

FREQUENCY	DOWNTILT	WEIGHT
4.90–6.40 GHz	2°	1.1 kg (2.4 lbs)
GAIN	AZIMUTH BEAMWIDTH	RECOMMENDED FOR
15 dBi	360° via Quad-180° Overlapping Sectors	A5c Other 3 rd Party 4x4 APs
CONNECTORS	OUTDOOR RATING	
(4) N-Type Female	IP67	
POLARIZATION	DIMENSIONS	
Dual H+V	Height: 492 mm (19.4 in) Diameter: 80 mm (3.1 in)	



N5-X ANTENNAS

Available with either Cassegrain or horn antenna options, the N5-X twist-on antennas, made specifically for the C5x, reduces localized noise and provides immunity from interference with breakthrough front-to-back and front-to-side performance.

FREQUENCY

4.90–6.40 GHz

GAIN

N5-X12 Horn: 12 dBi

N5-X16 Horn: 16 dBi

N5-X20 Dish: 20 dBi

N5-X25 Dish: 25 dBi

CONNECTOR/MOUNT

Mimosa N5-X Twist-On
(For the C5x only)

POLARIZATION

Dual-Slant 45°

FRONT-TO-BACK RATIO

N5-X12 Horn: 29 dB

N5-X16 Horn: 50 dB

N5-X20 Dish: 35 dB

N5-X25 Dish: 40 dB

FRONT-TO-SIDE RATIO

N5-X12 Horn: 27 dB

N5-X16 Horn: 43 dB

N5-X20 Dish: 37 dB

N5-X25 Dish: 45 dB

OUTDOOR RATING

IP55

DIMENSIONS

N5-X12 Horn: Diameter: 76 mm (3.0 in); Depth: 67 mm (2.6 in)

N5-X16 Horn: Diameter: 160 mm (6.3 in); Depth: 116 mm (4.6 in)

N5-X20 Dish: Diameter: 270 mm (10.6 in); Depth: 83 mm (3.3 in)

N5-X25 Dish: Diameter: 429 mm (16.9 in); Depth: 116 mm (4.6 in)

WEIGHT

N5-X12 Horn: 0.2 kg (0.4 lbs)

N5-X16 Horn: 0.6 kg (1.3 lbs)

N5-X20 Dish: 0.8 kg (1.8 lbs)

N5-X25 Dish: 1.0 kg (2.2 lbs)

RECOMMENDED FOR

C5x

B5x

C6x



ADVANCED J-MOUNT

The J-Mount accessory accommodates most under roof, eave mounting applications. With multiple axes of rotation, the J-Mount provides adjustments for elevation, azimuth, and pole twist for precise aiming.

WEIGHT

1.0 kg (2.2 lbs)

MOUNTING BASE

191 mm (7.5 in) x 120 mm (4.7 in)

POLE LENGTH

355 mm (14.0 in)

POLE OUTSIDE DIAMETER

38 mm (1.5 in)

ARTICULATION ANGLE

110°

MOUNTING OPTIONS

Surface mount with
4 screw hole points

RECOMMENDED FOR

C5x (native)
C5x + any N5-X Antennas
C6x (native)
C6x + any N5-X Antennas
B5x (native)
B5x + any N5-X Antennas
B24



FLEXIMOUNT XL

The FlexiMount XL is pole and surface mount that accommodates both vertical and horizontal pole mounting applications, as well as basic flat wall mounting. The FlexiMount XL, which replaces the original FlexiMount, boasts a heavy-duty design, a longer pole length and base, and a wide articulation angle.



WEIGHT

0.6 kg (1.3 lbs)

MOUNTING BASE

45 mm (1.8 in) x 127 mm (5.0 in)

POLE LENGTH

190 mm (7.5 in)

POLE OUTSIDE DIAMETER

38 mm (1.5 in)

ARTICULATION ANGLE

180°

MOUNTING OPTIONS

Surface mount with 2 screw hole points, or pole mount with 2 pipe clamps

RECOMMENDED FOR

C5x (native)
C5x + any N5-X Antennas
C6x (native)
C6x + any N5-X Antennas
B5x (native)
B5x + any N5-X Antennas
B24

PoE INJECTOR

The Mimosa gigabit PoE injector is passive, compact and clutter-free, eliminating the typical installation mess of power strips and extension cords.

WEIGHT

0.2 kg (0.4 lbs)

PoE INPUT VOLTAGE

100-240 VAC ~ 1.5A

50-60 Hz

PoE OUTPUT VOLTAGE

$$50 \text{ V} = 1.2 \text{ A}$$

PoE AC CONNECTOR

IEC-329 C6 (3-pin inlet)

DIMENSIONS

Length: 138 mm (5.4 in)

Width: 62 mm (2.4 in)

Depth: 32 mm (1.3 in)

RECOMMENDED FOR

All Radios



NID FOR ESD PROTECTION

The cost-effective Mimosa gigabit Network Interface Device (NID) protects electrical systems from ESD (electrostatic discharge) surges. It's designed for exterior wall mounting, providing outdoor technician access, ESD protection, and a grounding point for all radio installations.



DATA TRANSFER RATE

Gigabit Rated

CONNECTORS

(2) RJ-45

PROTECTION MODE

Line-to-Line

Line-to-Ground

SURGE ARRESTOR

Gas Discharge Tube (GDT)

DC SPARKOVER

90 V @ 100 V/s

IMPULSE SPARKOVER

550 V @ 1000 V/ μ s

IMPULSE DISCHARGE CURRENT

10 kA

CAPACITANCE

< 1.0 pF @ 1 MHz

MOUNTING

Wall mount with 2 screw mounting points, with optional rear feed point for clean installation

DIMENSIONS

Length: 131 mm (5.1 in)

Width: 84 mm (3.3 in)

Depth: 42 mm (1.6 in)

WEIGHT

0.1 kg (0.2 lbs)

RECOMMENDED FOR

All Radio Installations

MANAGEMENT SOLUTIONS AND TOOLS

COMPREHENSIVE NETWORK &
DEVICE MANAGEMENT SOLUTIONS

Tower Height

Data Center	A	15.1	ft
Tower	B	145.0	ft

Radio

B11 - United States

To aid in FCC Licensed Link pre-coordination, set channel settings to filter out non-impacting 3rd party FCC Licensed Links.

Lower Band frequency Upper Band frequency

10755	11245
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Channel Width MHz Antenna Type MHz

2x80	Jirous-900 37.5 dBi
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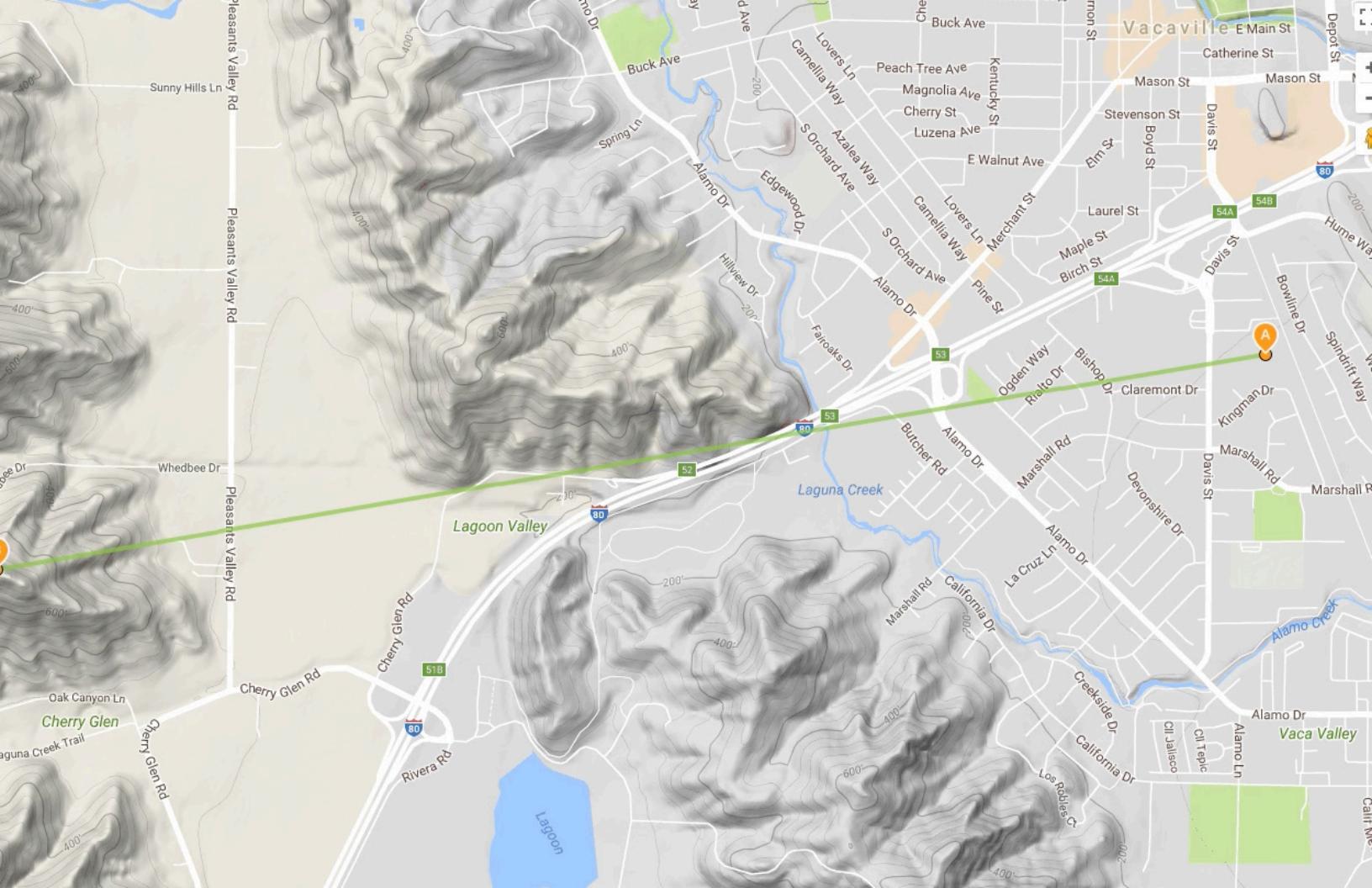
Show FCC Frequencies 

 Fly Through  Installation Report  Link Settings

 **LINK SUMMARY**  

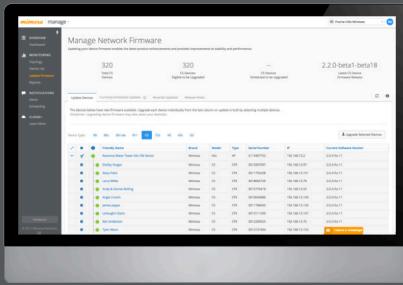
LINE OF SIGHT	Yes	FRESNEL OBSTR	0 %
RAIN RELIABILITY	99.99% %	LINK DISTANCE	2.73 mi
SNR	 46.86 dB	SNR	 51.47 dB
PHY	 1733 Mbps	PHY	 1733 Mbps
AGGR IP	 1387 Mbps	AGGR IP	 1387 Mbps





KEEP SCALING

We get the demands on your network. Subscriber growth, interference, and environmental fluctuations continually impact your wireless network. Our goal is to make sure you can easily design and manage your network to provide the service your end customers demand. The Mimosa Management Platform (MMP), as well as Mimosa Cloud services, bring network planning and big data analytics to your wireless network to help your business grow.



INSTALL APP

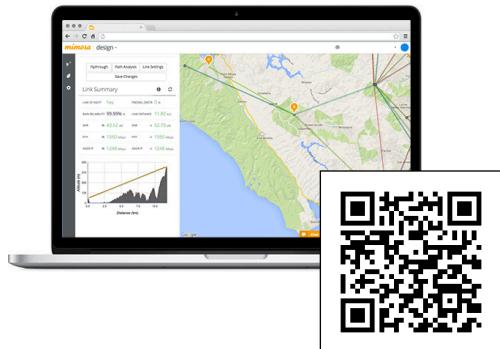
Install subscribers in a snap with Mimosa's Install app. Unlock, configure, aim, and connect all from the palm of your hand. The Mimosa Install app for Android and Apple iOS devices sets a new standard for ISP's to easily and efficiently control installation processes for off-the-shelf C5x and C5c client devices, speeding up customer installations.



Scan QR code to view the Install App overview video.

DESIGN TOOL

Trees grow, houses are built, new sources of wireless interference appear, extreme weather conditions occur and suddenly your network is not working the way it should. Mimosa helps you plan for both theoretical and actual network performance. The Mimosa Design Tool provides a quick, easy way to plan and validate integrated point-to-point and point-to-multipoint deployments by simply clicking on a map.



Scan QR code to view the Design Tool overview video.

MANAGEMENT

The Mimosa Management Platform (MMP) is the latest added solution that allows on-premises or private cloud hosting, introducing full network management and carrier-grade capabilities. Easily scale to meet the needs of WISPs and large-scale carrier PTP/PTMP networks with a wide range of hosting, scalability, and redundancy options.

For those who prefer cloud hosting, Mimosa's Cloud services gives you one-stop management, monitoring, and sophisticated analytics for Mimosa devices. With multiple data centers, scalable database structures, and a micro service-based infrastructure running with 24-hour support, we take care of the reliability for you. Once connected, a secure tunnel is established directly to your device.



NOTES

For more information about our any of products or solutions, please visit mimosa.co
or contact our sales team at sales@mimosa.co



Mimosa, a product division of Airspan, is the global technology leader in wireless broadband solutions, enabling service providers to connect dense urban and hard-to-reach rural homes at a fraction of the cost of fiber. Mimosa was acquired in 2018 by Airspan, the leading vendor of 4G/5G cells and backhaul technologies.