

MIM-B6X

Mimosa B6X - 5.15-6.425 GHz PtP Backhaul Radio

Product Overview

Mimosa B6X - 5.15-6.425 GHz PtP Backhaul Radio, Native 8 dBi gain, 4x4 MU-MIMO, OFDMA 1024qam, N5-X Twist-on RF connector Type, Die-cast aluminum enclosure, Dual SFP+, Gigabit Ethernet



Specifications

Overview:

C6x CLIENT RADIO

Super Flexible and Super Fast

The C6x sets a new bar for affordable speed, as well as interference reduction. With the latest in Wi-Fi 6E technologies, and access to new 6 GHz bands (which varies by country), the C6x achieves up to 1.75 Gbps. The C6x can be used as a PTMP (point-to-multipoint) client radio.

Features:

Integrated Radio with Modular Antenna Options

The C6x's native 8 dBi gain can be increased to 12, 16, 20, 25, or 30 dBi using Mimosa's modular X-series twist-on antennas, offering the ease and simplicity of integrated radios, but with so much more flexibility for short to long range deployments.

Superior Noise Mitigation

The C6x reduces in-band noise impact across the operating channel with dramatically smaller 2 MHz resource units (RU) sizes instead of legacy OFDM solutions, where any noise impacted the full channel. Thanks to Wi-Fi 6E technology, the C6x can even be used in dense, urban environments.

Take PTMP to a New Level

Achieving up to 1.75 Gbps in PTMP (point-to-multipoint) deployments, the C6x pairs together with new multi-user OFDMA scheduling and beamforming technologies on the A6 access point to enable massive subscriber scaling, advanced noise management, and access to the new, low-noise 6 GHz band.

Ultra-Rugged

The C6x is IP67 rated, which means it can withstand the harshest elements and environments. Coupled with next-gen RF noise fighting features and new low-noise 6 GHz band support, the C6x leads the way in dependable connectivity.

Specifications:

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Product Specification Sheet

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Specifications

Product Code	MIM-B6X
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Performance

Max Throughput	Up to 3.4 Gbps IP aggregate UL/DL (4.3 GbpsPHY)
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Wireless Protocols	TDMA, TDMA-FD, Auto-TDD
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Low Latency	
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Radio

Modulation	4x4 MU-MIMO, OFDMA 1024QAM
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Bandwidth	Single or dual 160 MHz channels, 320 MHz aggregate channel capacity
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Frequency Range	5150-6425 MHz Restricted by country of operation
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Max Output Power	24 dBm
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Sensitivity (MCS 0)

Sensitivity (MCS 0)	o @ 1024 QAM -47 dBm
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o @ 160 MHz -50 dBm

o @ 80 MHz -53 dBm

o @ 40 MHz -56 dBm

Power

Max Power Consumption	30 W
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System Power Method	PoE Port, or via the separate DC port
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System Lightning & ESD Protection	6 kV
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PoE Power Supply	Passive POE compliant, 48-56 V (PoE injector not included)
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Dimensions

Height	290 mm (11.4")
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Width	167mm (6.6")
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Depth	89mm (3.5")
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Weight	1.7 kg (3.7 lbs)
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RF Connector Type	N5-X twist-on
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Enclosure Characteristics	Die-cast aluminum
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Mounting	Requires two standard pole straps for mounting to 30 mm (1.2") to 90mm Bracket with + - 20 degrees elevation adjustment is needed.
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Features

Dual SFP+	10 Gbps Fiber via SFP+ cage. Single or multi-mode compatibility. (SFP insert modules not included)
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Gigabit Ethernet	10/100/1000 BASE-T
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Product Specification Sheet

Dual Link Operation	Dual 2x2 radios operating with independent asymmetric channel and link auto-adaption for each radio channel pair, Automatic load balancing of traffic across 2 non-contiguous channels (4 total MIMO streams)
Management Services	Mimosa Cloud, MMP, SNMPv2 & Syslog legacy monitoring, HTTPS, HTML 5 based Web UI
Smart Spectrum Management	Active scan monitors/logs ongoing RF interference across channels (no service impact), Dynamic auto-optimization of channel and bandwidth use
Security	128-bit AES PSK with hardware acceleration
QoS	4 classes of QoS, with user configurable priority queuing, weighted fair queuing, MIR, CIR, and rate limiting
GPS Location	GNSS-1 (GPS + GLONASS)
Collocation Synchronization	1PPS GPS TX/RX synchronization for collocated co-channel radios, Adjustable up/downstream bandwidth ratio
Part Number	100-00116

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/MIM-B6X-Mimosa-B6X-5-15-6-425-GHz-PtP-Backhaul-Radio-Buy-p-323823.php>

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