



BreezeAir AXE Highlights

-  **Superior net capacity:** 2.1Gbps
-  **4.9-5.9GHz**
-  **Ultra-low latency:** 2-5ms
-  **Extended Range:** >130 km
-  **Advanced QoS:** Configurable Traffic shaping & Policing
-  **Robust security:** AES-256 encryption & MAC level authentication
-  **Exceptional interference rejection**
-  **Rugged design:** IP67-rated for harsh environments
-  **Ultimate availability:** Link-in-service <30 seconds
-  **Energy efficient:** Lowest power consumption ensures minimal stress and high MTBF

BreezeAir AXE 5GHz

Fiber like PTP & PTMP

BreezeAir AXE introduces superior dynamic net throughput of 2.1Gbps combined with ultra-low latency and top-level security across the 4.9-5.9GHz band.

Designed for unmatched interference rejection, BreezeAir's unique Automatic Interference Sensibility (AIS) technology guarantees stable performance with constant latency and throughput.

BreezeAir AXE PTP(Point-to-Point) and PTMP(Point-to-Multipoint) solutions set a benchmark of unrivaled performance and reliability, making it the ultimate choice for future-proof wireless systems.



FIBER-LIKE
BACKHAULS



ENTERPRISE &
RESIDENTIAL ACCESS



VIDEO SURVEILLANCE
& MISSION CRITICAL
NETWORKS



Unmatched Interference Rejection

With unprecedented dynamic asymmetric throughput of up to 2.1Gbps and ultra-low latency, BreezeAir AXE is the ideal solution for high-capacity applications such as:

- Fiber-like backhauls
- Enterprise & Residential Access
- Video surveillance & Mission critical networks
- nLOS (near Line-of-Sight) deployments.

Its rugged IP67-rated, energy-efficient operation and AES-256 encryption, ensure maximum reliability and security.

Combining industry-leading capacity, superior interference rejection, and competitive pricing, the Breeze AIR AXE sets a new benchmark in its class.

Networking & Management

Access Technology	Time Division Duplex (TDD), Time Division Multiple Access (TDMA)
Asymmetric TDD	Dynamic & Automatic (according to real time traffic) or Fixed
Typical Data Latency	2-5ms (PTP)
MTU size	9600 Bytes Jumbo frames
Network Modes	Layer 2 Bridge, VLAN, 802.1ad QinQ, tagging, VLAN / broadcast filters
Authentication	Via username + password, RADIUS/TACACS authentication supported
QoS	8 priority queues based on 802.1p, 802.1p, TOS, DiffServ and DSCP
Management	IPv4/IPv6 dual stack, ViewAir NMS, Cloud-based NMS, WEB (HTTP/HTTPS), SNMPv1, SNMPv2, SNMPv3, Telnet, SSH, EMS (BreezeManager), TFTP
Analysis Tools	Built in throughput test, RF Analyzer and path profiling tools
Performance Data	Real time & history – logs and counters of traffic and radio data

Radio

Topology	PTP, PTMP BS, PTMP CPE
Radio Frequency	4.9-5.9 GHz
Net Throughput	Up to 2.1 Gbps, 2x2 MIMO
Range	> 130Km
Channel Width	20/40/80/160 MHz
Modulation	14 levels: BPSK - 1024QAM
Output Power	Up to 28dBm, configurable TPC and ATPC
Time Synchronization	3 modes: Internal / external / on-board GPS
Handling Interference	AIS – Automatic Interference Sensibility ACM – Adaptive Coding & Modulation ACS – Automatic Channel Selection Fastest ARQ – Automatic Retransmit reQuest
Encryption & Security	256-bit AES & MAC level authentication

Physical & Environmental

Physical Interface	2500 Base-T POE SFP support 1000Mbps (optional)
Mechanical	19 x 19 x 4 cm, <1Kg (connectorized) 21 x 21 x 7 cm, <2Kg (17.5dBi @ 5.xGHz) 30 x 30 x 7 cm, <2.5Kg (23dBi @ 5.xGHz) 37 x 37 x 8 cm, <3.5Kg (24dBi, 90 degrees @ 5.xGHz)
Power Consumption	<13Watt
IP rating	IP67
Temperature	-40°C to 60°C
Humidity	100% non-condensing (Rainproof)