

A060-Mini

Gigabit Wireless Link

KEY BENEFITS

Data Rates up to 1000 Mbps

1000 Mbps full-duplex

Protocol

Ethernet GigE (1000Base-T)

License

Unlicensed 60 GHz Spectrum

Highly Reliable

Achieves 99.999% weather availability for most common deployments

Small Form Factor

Smaller than competitive products in its class.

Ease of Deployment

Can be deployed within hours

Power over Ethernet (PoE+)

Compatible with IEEE802.3at PoE+ standard with less than 25 Watts

Extremely Low Latency

Radio latency < 50 us

Product Overview

The Athena Wireless A060-Mini is a point-to-point wireless communication system capable of transporting up to 1000 Mbps of full duplex traffic over a distance of ~ 1 kilometer. It operates in the 60 GHz unlicensed band. The A060-Mini was introduced by Athena Wireless Inc. to address the needs of short range deployments ranging from about 10 to 1000 Meters, while providing carrier class weather availability.

The A060-Mini has the ability to transmit data at rates of 1000 Mbps (1000 Mbps full-duplex). The A060-Mini includes an in-band management interface allowing it to be managed remotely over the Ethernet LAN.

Its unique design deviates from industry tradition with the combination small-form-factor and square structure. This allows the A060-Mini to achieve a smaller form factor with an aesthetically pleasing non-obtrusive antenna.

Applications

LAN Extension

Storage Area Network (SAN)

Pico cell backhaul

Wireless Backhaul

Metro/Carrier Ethernet Services

Temporary Network Deployments

Campus Connectivity

Disaster Recovery

Network Redundancy/Failure Recovery

ISP Network Solutions



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Product Specifications

System	<ul style="list-style-type: none">Transmission Capacity: 1000 Mbps full duplexSystem Latency: < 50 usecFEC: Reed SolomonModulation: QPSKEthernet Frame Size: 9000 bytesBit Error Rate: <10⁻⁹
Interfaces	<ul style="list-style-type: none">Data Interface: 1000Base-T RJ-45PoE+ (IEEE 802.3at)20W power consumption
Management	<ul style="list-style-type: none">HTTP (Web browser-based)SNMP: Version 1, 2c, 3MIB: Supports Proprietary MIB
Radio & Antenna	<ul style="list-style-type: none">RF Spectrum: 60 GHzAntenna Gain: 37 dBiAntenna Size: 162 x 162 mmBeam width: 2° (3dB point)
Environmental	<ul style="list-style-type: none">Operating Temperature: -31°F to 131°F (-35°C to 55°C)Altitude: 0 to 10,000 ft (3000 meters)Wind Load: Operating 160Km/h, Survival 200 Km/hWater & Dust Proof IP68Humidity Max 100% relative humidity (non-condensing)
Size	<ul style="list-style-type: none">Radio: 182 x 182 x 76 mm (7.2" X 7.2" X 3")
Weight	<ul style="list-style-type: none">Radio: 2.5 Kg (5.5 Lbs)
Product Rev	<ul style="list-style-type: none">Rev A
Firmware Rev	<ul style="list-style-type: none">AthenaApp 1.304E
Regulatory	<ul style="list-style-type: none">CE, EN 302 217-3, EN 301 489-4, EN 302-217-4-2FCC, Unlicensed band FCC ID:ZI9-A060 & IC: 9662A-A060

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