

# A060-Mini

## Gigabit Wireless Link

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### 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

|                            |   |
|----------------------------|---|
| <b>System</b>              | <ul style="list-style-type: none"><li>Transmission Capacity: 1000 Mbps full duplex</li><li>System Latency: &lt; 50 usec</li><li>FEC: Reed Solomon</li><li>Modulation: QPSK</li><li>Ethernet Frame Size: 9000 bytes</li><li>Bit Error Rate: &lt;10<sup>-9</sup></li></ul>                                      |
| <b>Interfaces</b>          | <ul style="list-style-type: none"><li>Data Interface: 1000Base-T RJ-45</li><li>PoE+ (IEEE 802.3at)</li><li>20W power consumption</li></ul>  |
| <b>Management</b>          | <ul style="list-style-type: none"><li>HTTP (Web browser-based)</li><li>SNMP: Version 1, 2c, 3</li><li>MIB: Supports Proprietary MIB</li></ul>   |
| <b>Radio &amp; Antenna</b> | <ul style="list-style-type: none"><li>RF Spectrum: 60 GHz</li><li>Antenna Gain: 37 dBi</li><li>Antenna Size: 162 x 162 mm</li><li>Beam width: 2° (3dB point)</li></ul>  |
| <b>Environmental</b>       | <ul style="list-style-type: none"><li>Operating Temperature: -31°F to 131°F (-35°C to 55°C)</li><li>Altitude: 0 to 10,000 ft (3000 meters)</li><li>Wind Load: Operating 160Km/h, Survival 200 Km/h</li><li>Water &amp; Dust Proof IP68</li><li>Humidity Max 100% relative humidity (non-condensing)</li></ul> |
| <b>Size</b>                | <ul style="list-style-type: none"><li>Radio: 182 x 182 x 76 mm (7.2" X 7.2" X 3")</li></ul>   |
| <b>Weight</b>              | <ul style="list-style-type: none"><li>Radio: 2.5 Kg (5.5 Lbs)</li></ul>   |
| <b>Product Rev</b>         | <ul style="list-style-type: none"><li>Rev A</li></ul>   |
| <b>Firmware Rev</b>        | <ul style="list-style-type: none"><li>AthenaApp 1.304E</li></ul>  |
| <b>Regulatory</b>          | <ul style="list-style-type: none"><li>CE, EN 302 217-3, EN 301 489-4, EN 302-217-4-2</li><li>FCC, Unlicensed band FCC ID:ZI9-A060 &amp; IC: 9662A-A060</li></ul>  |

### Sales & Marketing

Athena Wireless Corporation Inc.  
12425 W. Bell Rd. Suite 144  
Surprise, AZ 85378  
[www.athenawave.com](http://www.athenawave.com)  
623-242-7224

Download our contact information here.

