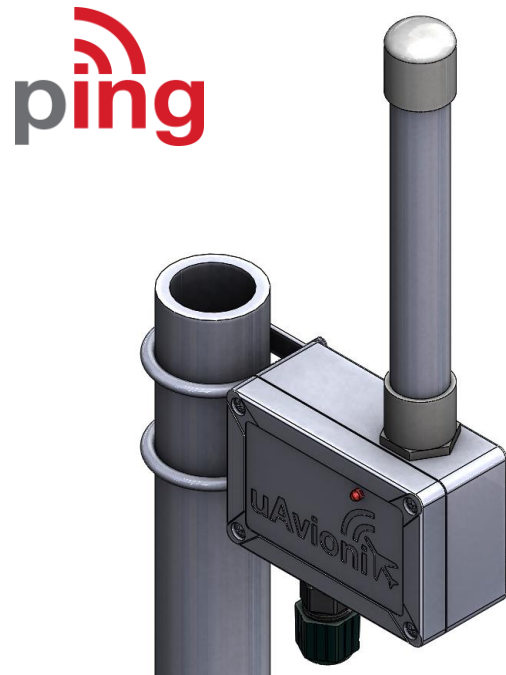


### Overview

PingStation is a dual band (978MHz and 1090MHz), networkable ADS-B receiver with a Power-Over-Ethernet (POE) interface enclosed in an IP67 rated protective enclosure. PingStation provides ground, surface, or low-altitude ADS-B surveillance within line of sight of the antenna, with range dependent upon the output power of the transmitting ADS-B transceiver. PingStation is robust enough to be permanently mounted outdoors in harsh environmental conditions, and small enough to be used as a mobile asset for roaming operations. Installation is simple with included pole-mount bracket, and a single POE cable which provides both power and data communications. An integrated GPS provides precision timestamping for messaging.

Multiple PingStations may be networked together to provide a wide area low-altitude surveillance volume. Data messages are in JSON format as described within the PingStation ICD.



### Features

- Detects ADS-B equipped aircraft on 1090MHz and 978MHz within a 150 mile radius in real time.
- Based on exclusive ping™ Silicon Radio
- Meets or exceeds all receive performance requirements specified by DO-282B and DO-260B
- Environmentally protected enclosure with adaptable mounting options
- Simple power and connectivity options using Power over Ethernet (POE)
- Wide variety of local and cloud based interface options
- Network multiple receivers to enable a wide area low-altitude surveillance network
- US patents pending

### Technical Specifications

Specification	Value
Input Voltage / Power	44-57V / 500mW Power over Ethernet
Size	4.75"X2.0"X3.25" (box) 9.5" (antenna)
Weight	340 grams
<b>Receive</b>	
MTL 1090MHz Dynamic Range	-88dBm -79 to 0dBm
MTL 978MHz Dynamic Range	-93dBm -90 to -3dBm
<b>Interfaces</b>	
<ul style="list-style-type: none"> <li>• Ethernet (JSON UDP)</li> </ul>	

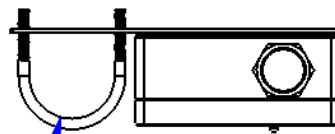
### Quality Standards and Procedures

Designed and assembled in the USA, HALT and HASS tested, IPC-610 class II soldering, production functional testing.

**Electrical Specification.**

Data / Power Connector: RJ-45 POE

**Mechanical Specification.**



RSUPPORTS 0.75"-2"PIPE

Size  
e

