# uAvioni

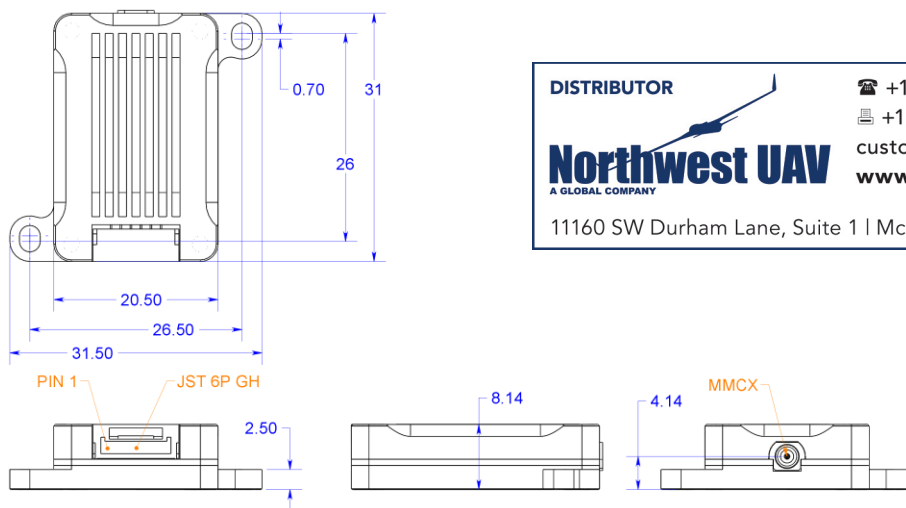**PING-RX Pro Dual-Frequency ADS-B Receiver**

# pingRX Pro

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## Overview

pingRX Pro is the only dual-band UAS ADS-B receiver capable of receiving aircraft on both 978MHz and 1090MHz, and the only receiver to benefit from the heritage of certified avionics. The new pingRX Pro inherits the original pingRX's robust autopilot support while adding the protection of an aircraft-grade aluminum case and detachable remote mount antenna. pingRX Pro is the ideal ADS-B receiver for professional UAS operators who need reliability, rugged build quality, and flexibility for limitless UAS applications.

## Aviation Grade Technology

Weighing less than 8 grams, pingRX Pro's aviation grade ADS-B technology has been TSO certified in the skyBeacon and tailBeacon ADS-B OUT solutions for General Aviation (GA), and is the same technology already incorporated in over a half-million ADS-B solutions worldwide, from UAS to GA to airport vehicles. pingRX Pro offers an external antenna allowing operators to install the base unit anywhere on the airframe, and still mount the antenna in an optimal location for ideal placement and performance.

## Mechanical Specifications



## Technical Specification

| Specification | Value |
|---|---|
| Input Voltage / Power | 4-6V / 150mA |
| Size | 32x31x9mm |
| Weight | 8 grams |
| **Receive** | |
| MTL 1090MHz | -84dBm |
| Dynamic Range | -81 to 0dBm |
| MTL 978MHz | -93dBm |
| Dynamic Range | -90 to -3dBm |

| **Interface** | | | |
|---|---|---|---|
| Pin | Type | Detail | Color |
| 1 | VCC | 3.3-5V Power | Red |
| 2 | RX | MavLink 57600bps UCP 115200 | Black |
| 3 | TX | MavLink 57600bps UCP 115200 | Black |
| 6 | Ground | GND | Black |

| **Connectors** | |
|---|---|
| Mating Connector: | JST-GHR-06V-S |
| Antenna Mating Connector: | MMCX |

**DISTRIBUTOR**

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