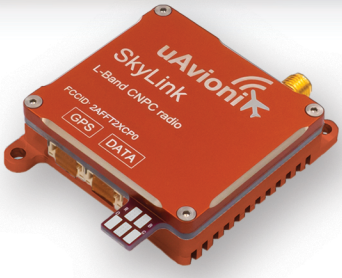
uAvionix | 2019 UAS Solutions

skyLink



- Command and Non-Payload Control (CNPC) Radio
- RTCA DO-362 Class 1LYAM and 1LYGM
- 10W Transmit Power
- 70 grams, 47x54x13mm

skyLink meets or exceeds the Command and Control (C2) Data Link Minimum Operational Performance Standards (Terrestrial) for Control and Non-Payload Communication (CNPC) in support of an Unmanned Aircraft Systems (UAS). Infrastructure ready, SkyLink is an L-Band (960-1164MHz) bi-directional Multiple Input, Single Output (MISO) dual radio system.

ping200X

- Mode S ES ADS-B OUT Transponder
- TSOs Pending: TSO-C112e Class 1 Level 2els TSO-C166b Class B1S, TSO-C88b
- 50 grams, 47x54x9mm

Ping200X is a complete system designed to meet the Transponder and Automatic Dependent Surveillance – Broadcast (ADS-B) requirements for operating Unmanned Aircraft Systems (UAS) in controlled airspace. The system is fully configurable as any combination of Mode A, Mode C, Mode S transponder and Extended Squitter ADS-B transmitter and includes a barometric sensor with accuracy beyond 60,000ft.

truFYX

- Certified SBAS GPS for UAS
- TSO Pending: TSO-C145e Class Beta 1
- Autopilot Navigation Source
- 40 grams, 53x35x20 mm

truFYX is the world's first Technical Standard Order (TSO) certified SBAS Global Positioning System (GPS) position source designed specifically for Unmanned Aircraft Systems (UAS) autopilots and Automatic Dependent Surveillance – Broadcast (ADS-B) OUT solutions. The truFYX incorporates the GPS receiver and antenna into a single 24mm radius / 20g waterproof enclosure.

ping2020i

- 20W 978MHz ADS-B OUT
- 1090MHz, 978MHz ADS-B IN
- Meets PR of TSO-C199 Class B GPS
- Integrated Barometric Sensor
- 23 grams, 25x40x16mm

ping2020i is the world's smallest, lightest and most affordable full range, dual link Automatic Dependent Surveillance - Broadcast (ADS-B) transceiver with integrated Satellite Based Augmentation System (SBAS) Global Positioning System (GPS) and precision barometric sensor. At just 26 grams, it assists with Detect and Avoid (DAA) functionality for Unmanned Aircraft Systems (UAS) operations in the National Airspace.

UAS SOLUTIONS FOR ANY PLATFORM AND MISSION

MODE S | ADS-B OUT | ADS-B IN | SBAS GPS | BARO | CNPC RADIO

Visit uAvionix.com to learn more about Certified UAS Avionics

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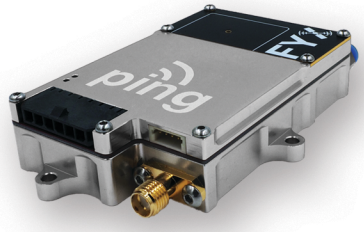
ping200Sr



- Mode S ES ADS-B OUT Transponder
- Class 1 Level 2els
- Meets PR of TSO-C199 Class B GPS
- Integrated Barometric Sensor
- 76 grams, 91x57x17mm

ping200Sr is a complete system designed to meet the conspicuity requirements for operating UAS in controlled airspace. This system includes an integrated, high integrity SBAS GPS sensor derived from uAvionix's TSO'd FYX technology, and a precision, temperature controlled, barometric sensor with accuracy beyond 30,000ft.

ping20Si

- Mode S ES ADS-B OUT Transponder
- 20W Transmit Power
- Meets PR of TSO-C199 Class B GPS
- Integrated Barometric Sensor
- 20 grams, 36x8mm

ping20Si is a complete system designed to meet the conspicuity requirements for operating Unmanned Aircraft Systems (UAS) in controlled airspace. This system includes an integrated, high integrity Satellite Based Augmentation System (SBAS) Global Positioning System (GPS) system derived from Technical Standard Order (TSO) C-199 Class B FYX technology, and a precision, temperature controlled, barometric sensor with accuracy beyond 80,000ft.

ping1090i

- UK CAP1391 ECD
- 20W 1090MHz ADS-B OUT
- 1090MHz, 978MHz ADS-B IN
- Meets PR of TSO-C199 Class B GPS
- Integrated Barometric Sensor
- 23 grams, 25x40x16mm

ping1090i is the world's smallest, lightest and most affordable full range, dual link Automatic Dependent Surveillance – Broadcast (ADS-B) transceiver with integrated Satellite Based Augmentation System (SBAS) Global Positioning System (GPS) and high precision barometric sensor. At just 26 grams, it assists with Detect and Avoid (DAA) for Unmanned Aircraft Systems (UAS) operations in the National Airspace System (NAS). Approved for use in the United Kingdom as a CAP1391 Basic Electronic Conspicuity Device (ECD).

pingStation

- 1090MHz, 978MHz ADS-B IN
- IP67 Weatherproof
- Multiple data formats
- Integrated GPS
- 340 grams, 9.5" (antenna)
  4.75"x2.0"x3.25" (box)

pingStation is a dual band, networkable ADS-B receiver with a 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. It is robust enough to be permanently mounted outdoors and small enough to be used as a mobile asset for roaming operations. An integrated GPS provides precision timestamping for messaging. May be networked together to provide a wide area low-altitude surveillance volume.

pingRX

- 1090MHz, 978MHz ADS-B IN
- Pixhawk / ARDUPILOT Compatible
- Mavlink Serial @ 57600 bps
- 5 grams, 34x19x8mm

pingRX is the world's smallest, lightest and most affordable Automatic Dependent Surveillance – Broadcast (ADS-B) receiver. At just 5 grams, it assists with Detect and Avoid (DAA) for Unmanned Aircraft Systems (UAS) operations in the National Airspace System (NAS). pingRX receives ADS-B IN on both 1090MHz and 978MHz.

pingUSB

- 1090MHz ADS-B IN
- 978MHz ADS-B IN
- Wi-Fi or USB Data Interface
- EFB Compatibility
- 5 grams, 34x19x8mm

pingUSB is the world's smallest, lightest and most affordable USB dual-band Automatic Dependent Surveillance - Broadcast (ADS-B) receiver. pingUSB provides high-quality tracking data for use with software such as Virtual Radar Server and services including ADS-B Exchange. Receiving and tracking ADS-B aircraft is now as simple as connecting a flash drive.