

# UHF

SECOND  
LINK &  
FTS UHF



The Secondary Link is an advanced, long range, digital data link system that has been specifically designed for unmanned platforms. This versatile and cost-effective solution that complied with most requirements, enables simplex narrow band digital link and a low rate communication in a signal channel UHF.

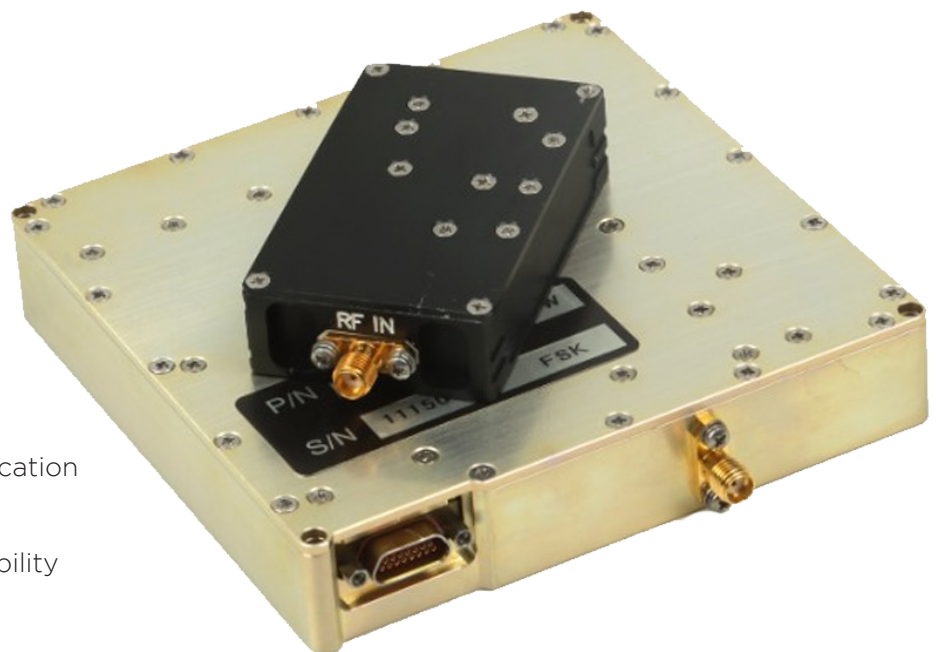
The link is an affordable system that is suitable for any class of unmanned aerial platform: Mini, Small, Tactical and MALE/HALE UAS. It is small and light-weight, has a low power consumption and combines commercially proven technologies and standards with advanced algorithm, to provide excellent reliability and high performance. This solution consists of a single communication channel for commands to the UAV, and can act as a primary link, as a redundant link for backup purposes or as a flight termination system (FTS). The UHF compact link is an optional part of the our AMLS and IDLS-MK II systems.

## APPLICATIONS

- UAS
- USV
- VTOL UAS
- UGV

## FEATURES

- Light weight
- Small size single unit solution
- Low power consumption
- Long range
- One directional (UPL) communication channel
- High reliability
- Remote frequency change capability



## Who We Are

CP Technologies designs, fabricates and integrates standard and customized high-performance computing platforms and LCD monitors for military, industry, and commercial applications.

Using COTS components, CP Technologies provides solutions for customers who need reliable systems that will operate in a variety of harsh conditions and who require revision control and hardware consistency for multi-year programs.

CP Technologies is an ITAR Registered and SBA-certified small business that has been operating in Southern California for over twenty years.

**Assembled in the USA**  
**ISO 9001:2015 Certified**  
**ITAR Registered**

**CP Technologies**  
10840 Thornmint Road  
San Diego, CA 92127  
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# TECH SPECS



## SPECIFICATIONS

<b>INTERFACES</b>	RS-422, RS-232, RS-485
<b>FREQUENCY BAND</b>	330-400MHz 400-470MHz
<b>MODULATION</b>	GFSK
<b>FORWARD ERROR CORRECTION</b>	Convolution & Reed Solomon
<b>OVER THE AIR RATE</b>	10kbps
<b>ENVIRONMENTAL CONDITIONS</b>	MIL-STD-810F / MIL-STD-461E
<b>TRANSMISSION POWER</b>	30W (high) / 5W (low)

## AIRBORNE TERMINAL

<b>DIMENSIONS</b>	17mm x 41mm x 70mm
<b>WEIGHT</b>	65g
<b>POWER CONSUMPTION</b>	<1W

### QUESTIONS?

Reach out to us at  
[combatproven.tech](http://combatproven.tech)  
 or call 858.571.4330

## ENGINEERED TO YOUR SPECIFICATIONS

- In-house engineering department
- Design and build of rapid prototypes. Experience with solving difficult customer application problems through knowledge of the industry and custom system design and manufacturing capability
- Our Engineers use Solid Works 3D CAD modeling software for mechanical design and thermal simulation
- Design experience with MIL-STD-167, MIL-STD-461, MIL-STD-810, and MIL-S-901, in addition to FCC, UL, CE, and country specific agency requirements

## REVISION CONTROL & CONFIGURATION MANAGEMENT

- Our Program Managers will assure your products are revision controlled for the life of the program
- Configuration Management to assure TAA Compliance and system compatibility
- One part number for life of the program
- Counterfeit and obsolescence management

## FACILITY AND TEST

- All integration work is performed in a state-of-the-art, ESD-controlled facility
- Our facility has 23,000 sqft and has dedicated 12,000 sqft to manufacturing and 3,000 sqft to engineering
- Operate to anti-static standard ANSI/ESD S20.20-2007 and electronics assembly standard IPC-A-610, Revision E-2010

## QUALITY COUNTS

- ISO 9001:2015 Certified
- 100% system inspection before shipment
- All integrated systems undergo a minimum 24-hour system test and burn-in before shipment to the customer
- Assistance with 3rd party verification of system specifications
- 5-year warranty on all servers and 3-year warranty on LCD monitor products
- TAA compliant
- Built in the USA

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