

# Avionics Buses

We closely follow the trend and evolution of avionics bus standards and technologies, developed series of avionics bus products including ARINC664, FC-AE-ASM, ARINC818, ARINC429, 1553B, and other related hardware, software and system solutions. Provide full portfolio of products and solutions for various avionic bus standards, ranging from terminal network card to cross-linking and switching equipment, and flexible IP Core. In addition, avionic bus products portfolios support a variety of operating systems, such as windows, VxWorks (including VxWorks 653), Linux, etc.

## Avionics Buses

### ARINC664 Bus Products



### FC-AE Bus Products



### ARINC818 Bus Products



ARINC818 Video Receiver Box



ARINC818 Video Transmit Box



ARINC818 Data Card



ARINC818 Data Sampling Card

### Simulation and Test Products for Avionics Bus



Network Analyzer



Bus Switch



Portable Bus Test and Analyzer



Bus Analyzer

## I UAV & Data Link

### UAV

Dedicated to medium UAV, featured with vertical takeoff and landing(VTOL), oil and electric hybrid drive, committed to providing customers with intelligent, industrial UAV systems.



# | Navigation

Based on the GNSS satellite navigation systems and inertial navigation, we focus on the development of core technology, design and production of application products and systems, providing cutting edge products for aerospace, UAV and precision guided ammunition, vehicle and other high dynamic, high-precision and anti-jamming applications.

- GNSS Chip & Receiver Module
- GNSS Receiver Terminal
- Antenna
- GNSS/INS Integrated Navigation
- GNSS Simulation & Test

## GNSS Chip

- Support BDS, GPS, GLONASS, Galileo and satellite based augmentation systems
- Featured with high precision, high dynamic performance to meet various applications
- Open high-speed kernel processors to users
- Anti narrowband jamming for reliable and trusted navigation



GNSS Chip

## GNSS Card/Module Product Series



High precision boards



High dynamic receiver



High precision module



High dynamic boards

## GNSS Terminal Product Series



CORS receiver



High precision receiver



Satellite navigation and communication integrated terminal



GNSS heading and attitude determination terminal



Airborne GNSS navigator



High precision FOG/GNSS integrated navigation for UAV



MEMS IMU for smart weapon



CRPA antenna series



GNSS signal simulator



GNSS signal record and playback



GNSS signal repeater

## Application Scenarios

- Manned aerial vehicles, UAV
- Missiles, precision-guided ammunition, armed vehicles
- High reliable navigation in complex electromagnetic environments

## Radar & Electronic Countermeasure



Portable Radar Target / Jamming Signal Source



Radar Seeker Integrated Tester



Electromagnetic Signal Monitoring Equipment



Drone Data Recorder



Radar Seeker Tester



Multi-mode Active Radar Real-time Simulator

## SIVB

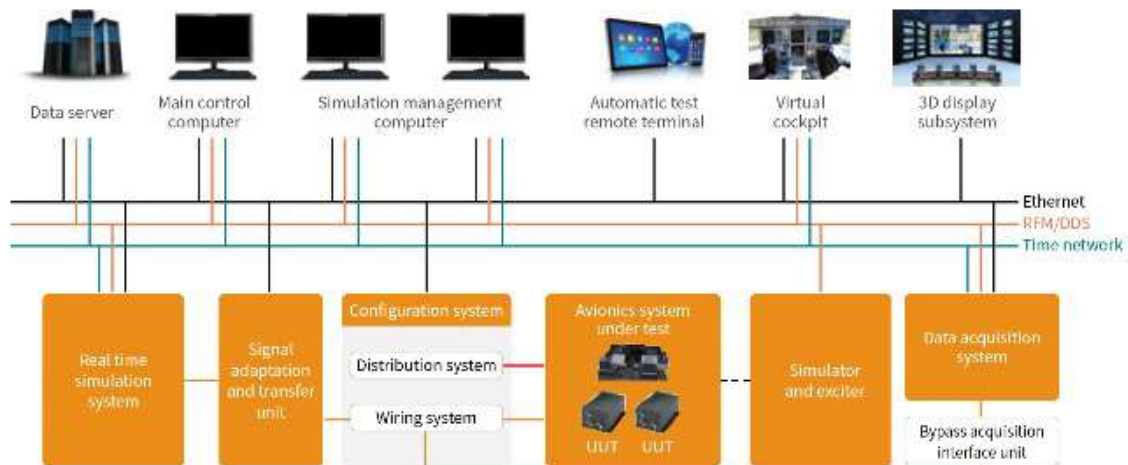
SIVB is mainly used for the whole life cycle solution of "design simulation integration test verification". It is a general simulation test system integration verification platform independently developed. Based on the V-model development process idea, it can cover rapid prototype verification, hardware-in-the-loop simulation, system integration, test verification, etc. for flight control, electromechanical, onboard, airborne equipment and other products. It is widely used in aviation, aerospace, rail transit, weapons, ships, vehicles and other fields.



HWA-SIVB Integrated Verification Platform of Simulation Test System

## HRT-3000 Hardware in the Loop Simulation Platform

HRT-3000 is a leading hardware in the loop simulation platform with independent intellectual property rights, focusing on rapid prototype design and hardware in loop simulation, apply for real-time simulation in control and hydraulic fields.



## Applications

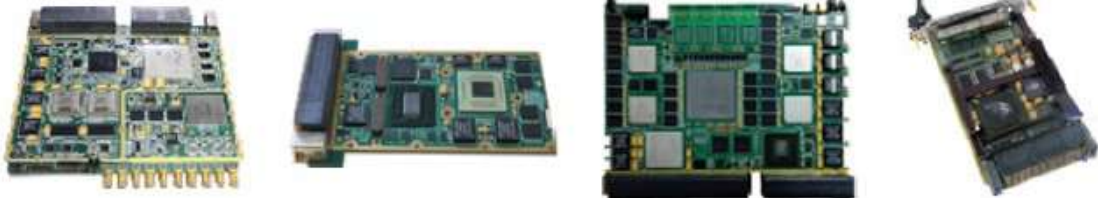
- Flight control system
- Satellite simulation
- Airborne communication system
- Electromechanical system
- Avionics system
- Engine simulation test
- Guided weapon

# | Radar & Electronic Countermeasure

We provide radar test instruments for users' radar systems, radar signal processing platform, signal reconnaissance products and microwave RF modules. Supported frequency spectrum cover L, S, C, X, Ku/Ka band, millimeter wave and up to 180GHz.

## Signal Processing Platform

Provide state of the art VPX, Open VPX, CPCI bus, and FMC standard I/O based signal sampling/replay card, signal preprocessing card, signal process card, flash storage card and other cards with various function.



## RF Module

The RF/microwave module product line covers L/S/C/X/Ku/Ka band.



0.38GHz-18GHz/Ku/Ka  
band receiving module



0.38GHz-18GHz/Ku/Ka  
band transmission module



Ku/Ka local oscillator module  
(DDS frequency conversion)



0.38-18GHz/Ku/Ka band local oscillator  
module (frequency hopping)



Ku/Ka power amplifier (1W)