Analog Devices provides modern high performance solutions focused on the aerial, terrestrial, and marine unmanned platforms built upon our portfolio of robust and reliable products matched with our system-level capabilities and knowledge.

Visit analog.com/ade
Safety and Surveillance
- 24 GHz radar object detection and tracking solutions
- Circuit supporting time of flight (ToF) and range processing calculations
- Displays to support electronics surveillance and signal processing
- NLOS (Non-Line-of-Sight) coverage
- High power amplifiers, upconverters, and analog-to-digital converters to support airborne repeater and frequency multiplication

Communications
- Low power and frequency agile integrated transceivers for flight management and networking
- Solutions to support long range directive links, airborne repeaters, and frequency hopping for secure communications
- Satellite communications components and modules

Airframe and Power
- Electric power management and control systems
- High performance systems for full authority digital engine controls (FADECs)
- Flight control sensing and measuring via linear variable differential transformers (LVDTs) and related devices
- Motor control and isolation circuits for interfacing to propeller control surfaces

Payloads and Data and Video Processing
- Payment data encryption and security
- Decoders to support resolutions—digital-to-analog data converters
- Laser detection converters to support targeting and acquisition systems

High-Performance Components
- Expanded temperature range components: –55°C up to +175°C
- Mission critical components and modules
- Space grade components and modules

Connectorized Modules
- ADI offers a large portfolio of standardized modules that help simplify and speed your time to market. ADI also offers customized modules for those designs that require additional performance. No matter your design needs, ADI has a solution for you.
Advanced Support For Unmanned Systems

Enhanced Products (EP)

Products from Analog Devices’ EP process can be qualified over the temperature range of –55°C to +125°C. EP products support NiPdAu lead finish and support STD-883 standards. All EP devices have separate data sheets along with a controlled manufacturing baseline—some products can be qualified up to +175°C.

Die Products

ADI understands the need of our customers to purchase bare die for some specific applications and presently sells these products to meet our customers’ needs.

DO 178 B/C and DO 254 Support

Analog Devices recognizes the need to support DO 178 B/C and DO 254 processes to support our customers certification. ADI can provide the correct artifacts and processes to support complex components and software.

Customized Solutions and System in Package (SiP)

System in package solutions provide reduced size and increase integration to optimize system performance and footprint. Using ADI’s broad portfolio of die, advanced integrated solutions can be created for a wide and diverse range of applications.

Integrated Assemblies: Design and Production

ADI designs and manufactures high performance miniature subsystems for high reliability applications utilizing ADI’s expertise in system analysis, MMIC and module design, mechanical packaging, automated manufacturing, RF testing, screening, and qualification. The majority of MMIC chips are ADI products that drive significant benefits in controlling performance, schedule, screening, qualification, packaging, and design optimization.

Material Declaration

RoHS Compliance

Restriction of Hazardous Substances (RoHS) regulations restrict the use of four heavy metals (lead, mercury, cadmium, and hexavalent chromium) and two brominated flame retardants (polybrominated diphenyl ethers and polybrominated biphenyls) in electrical and electronic devices. ADI provides products that allow our customers to be compliant with RoHS regulations. For more information on ADI’s RoHS compliance program, see Analog Devices RoHS Compliance Information (pdf).

Analog Devices evaluation boards are specifically designed solely for the purpose of research and development and are made available solely on a business-to-business basis and therefore are excluded from the scope of the RoHS 2 Directive.

Export Classifications

ADI is committed to maintaining full compliance with all U.S. and other national government export laws and regulations. In the U.S., ADI is subject to the U.S. Export Administration Regulations (U.S. EAR) for export and re-export of dual use items (these regulations are administered by the U.S. Department of Commerce). ADI is also subject to International Traffic in Arms Regulations (ITAR) for export and re-export of Defense Articles and Defense Services (these regulations are administered by the U.S. State Department). ADI’s ITAR registration number is M-2477.
Visit analog.com/adef to see the entire line of Analog Devices components focused on the aerospace and defense industry.