



AHEAD OF WHAT'S POSSIBLE™

UNMANNED AND REMOTELY PILOTED SYSTEMS

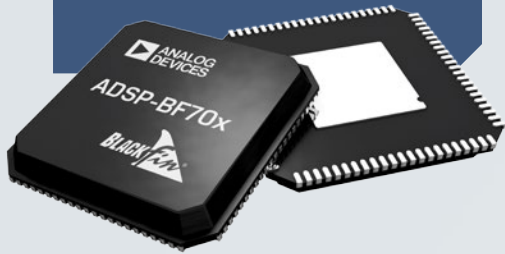
For over 50 years, Analog Devices, Inc. (ADI) has enabled our customers to develop advanced systems that achieve the highest levels of performance while reducing size, weight, power, system cost, and development time. Analog Devices provides a wide range of solutions for the unmanned systems market.



Visit analog.com/adev

Video Transmission

Low power digital signal processors—video encoders and decoders. The BF70x family single core Blackfin® has up to 40 MHz at 100 mW (0.125 mW/MMAC).



Safety and Surveillance

Chipsets to support ADS-B and transponders, along with IFF and sense and avoid.



Navigation/ADAHRS

Integrated inertial measurement unit (IMU) systems (3 to 10 axes) for attitude and position sensing—accelerometer, gyroscope, magnetic, pressure, and temperature sensors.



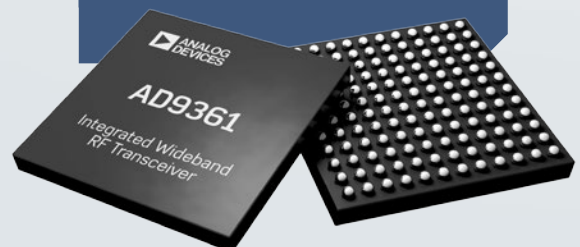
Airframe Systems Monitoring

Precision vibration sensors and analog-to-digital converters that support health utilization monitoring systems (HUMS).



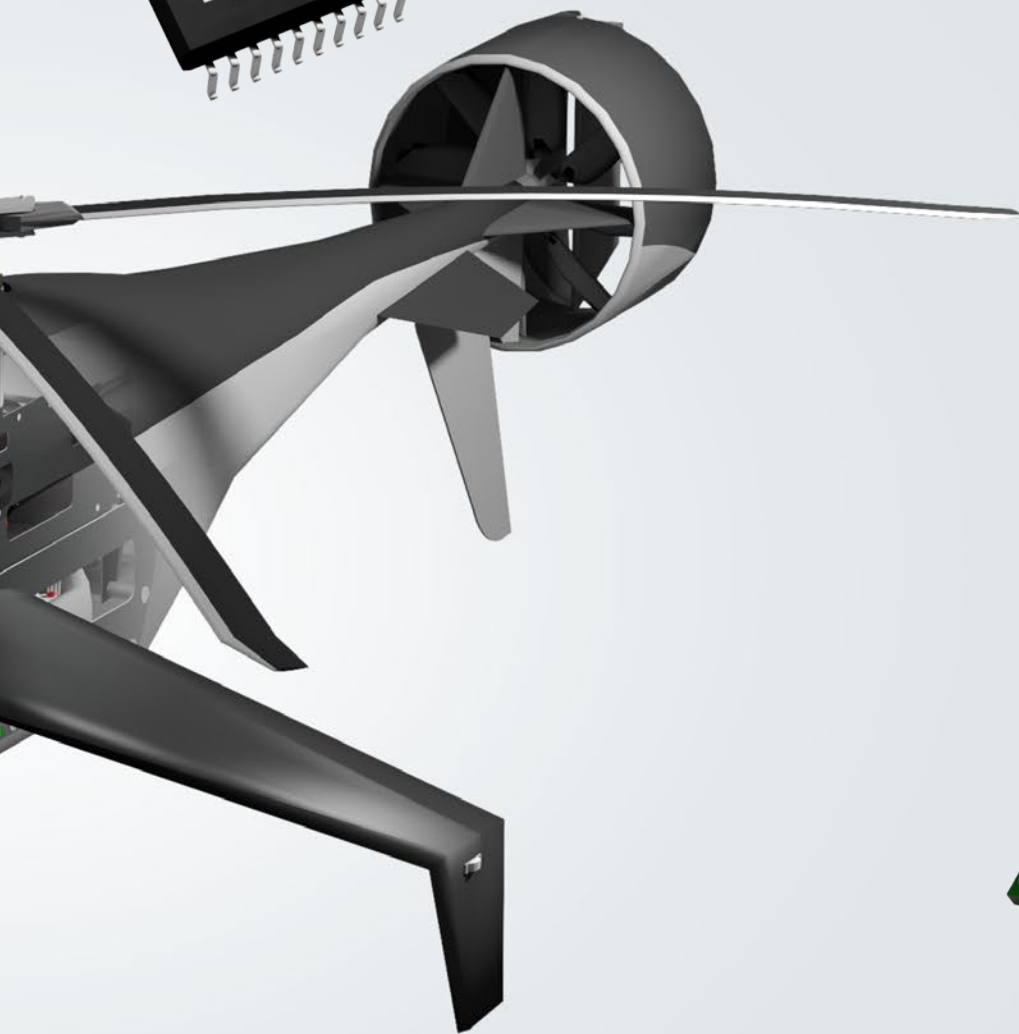
Data Transmission and Vehicle Control

Integrated transceiver ICs for both flight management control and data transmission.



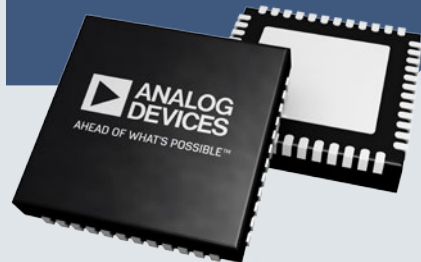
Electrical Systems

Motor control, power management, isolation, conditioning, and high quality amplifier components supporting flight control, power management, charging, and propulsion systems.



Control Surfaces

Flight control sensing and precision measurement via linear variable differential transformer (LVDTs), rotational converters, and strain sensor converters.

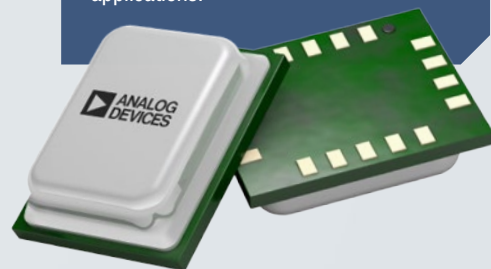


Payloads

High speed and precision converters and digital signal processors (DSPs) for interfacing to analog sensors and detectors.

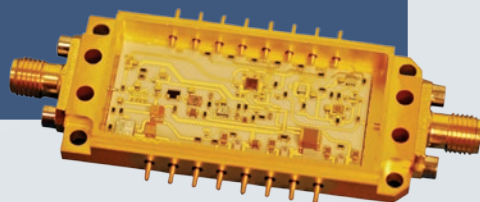
Advanced gyroscopes and accelerometers based on microelectromechanical systems (MEMS) for payload stabilization.

HDMI®/DVI switches and buffers empower easy expansion of a number of HDMI inputs for multiple input display applications.



Modules

Analog Devices offers integrated system solutions to meet customers' specifications. ADI has developed a broad portfolio of digital, analog, microwave, and millimeter wave products to meet the challenges of unmanned systems supporting imaging, radar, surveillance, reconnaissance, and communications solutions.



Collision Avoidance and Mapping

24 GHz radar solutions for object detection, mapping, and ranging.



DO 178 B/C and DO 254 Support

Analog Devices recognizes the need to support DO 178 B/C and DO 254 processes to aid our customer's certification. ADI is working to 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

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 ICs are ADI products that drive significant benefits in controlling performance, schedule, screening, qualification, packaging, and design optimization.

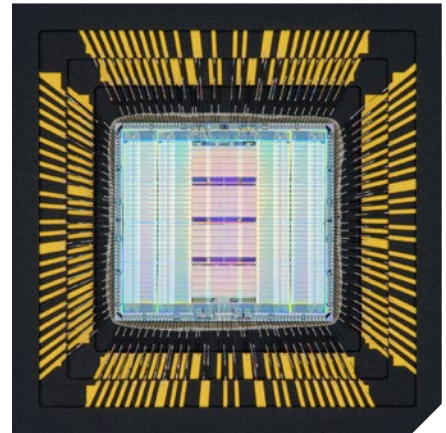
RoHS Compliance

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; therefore, they are excluded from the scope of the RoHS 2 Directive.

Enhanced Products

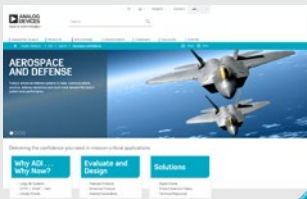
ADI's enhanced products (EP) portfolio provides a commercial off-the-shelf (COTS) solution for high reliability applications that negates the need for custom screening without the additional cost and challenges of custom designed parts. ADI focuses its efforts toward aerospace with parts certified to the Aerospace Qualified Electronic Component (AQEC) standard that defines the minimum set of requirements provided by the manufacturer that will allow a COTS component to be designated by AQEC (GEIA-STD-0002-1).



Aerospace

To learn more about ADI's capabilities and for a complete list of aerospace solutions, visit

www.analog.com/adev



Online Support Community

Engage with the Analog Devices technology experts in our online support community. Ask your tough design questions, browse FAQs, or join a conversation.

ez.analog.com



Circuits from the Lab

Circuits from the Lab® reference designs are built and tested by ADI engineers with comprehensive documentation and factory-tested evaluation hardware.

www.analog.com/cftl

**Circuits
from the Lab®**

Analog Devices, Inc. Worldwide Headquarters

Analog Devices, Inc.
One Technology Way
P.O. Box 9106
Norwood, MA 02062-9106
U.S.A.
Tel: 781.329.4700
(800.262.5643, U.S.A. only)
Fax: 781.461.3113

Analog Devices, Inc. Europe Headquarters

Analog Devices, Inc.
Wilhelm-Wagenfeld-Str. 6
80807 Munich
Germany
Tel: 49.89.76903.0
Fax: 49.89.76903.157

Analog Devices, Inc. Japan Headquarters

Analog Devices, KK
New Pier Takeshiba
South Tower Building
1-16-1 Kaigan, Minato-ku,
Tokyo, 105-6891
Japan
Tel: 813.5402.8200
Fax: 813.5402.1064

Analog Devices, Inc. Asia Pacific Headquarters

Analog Devices
5F, Sandhill Plaza
2290 Zuchongzhi Road
Zhangjiang Hi-Tech Park
Pudong New District
Shanghai, China 201203
Tel: 86.21.2320.8000
Fax: 86.21.2320.8222

Cover model by Jason Rohr. Modified by Analog Devices, Inc.
License: <http://bit.ly/200GKHA>.

©2016 Analog Devices, Inc. All rights reserved. Trademarks and registered trademarks are the property of their respective owners. Ahead of What's Possible is a trademark of Analog Devices.

Printed in the U.S.A.

BR14120-1-2/16

analog.com



AHEAD OF WHAT'S POSSIBLE™