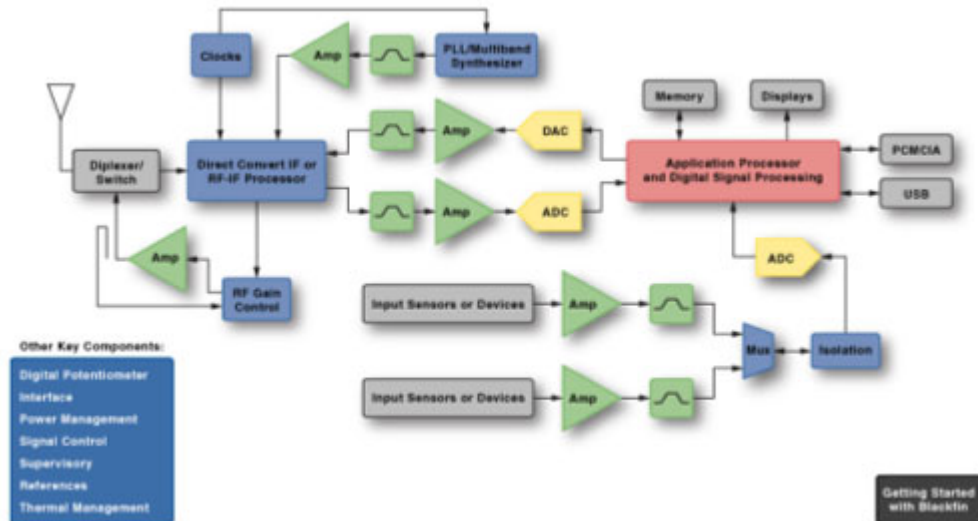


## ADI手提测试系统解决方案



Generically designed as a wireless data acquisition system, low power and low voltage devices will be used. ADI has released many new op amps, converters, reference devices, and RF devices required for this application. Like most RF applications this signal chain has the need for high speed yet low power.

### Application Notes

AN-803: Pin Compatible High Speed ADCs Simplify Design Tasks (pdf, 365,050 bytes)

AN-753: Configuring the AD7877 (pdf, 253,382 bytes)

AN-741: Little Known Characteristics of Phase Noise (pdf, 1,719,696 bytes)

AN-738: Using the AD7877 Touch Screen Controller and the Intel PXA250 Processor Under Windows CE.NET (pdf, 61,940 bytes)

AN-737: How ADI simulates an ADC (pdf, 291,797 bytes)

AN-715: A First Approach to IBIS Models: What They Are and How They Are Generated (pdf, 379,082 bytes)

AN-691: Operation of RF Detector Products at Low Frequency (pdf, 797,677 bytes)

AN-577: Layout and Grounding Recommendations for Touch Screen Digitizers (pdf, 53,905 bytes)

AN-573: OP07 Is Still Evolving (pdf, 159,635 bytes)

AN-501: Aperture Uncertainty and ADC System Performance (pdf, 233,126 bytes)

A Key Concern in IF Sampling is that of Aperture Uncertainty (Jitter)

AN-352: High Speed Comparators Provide Many Useful Circuit Functions When Used Correctly (pdf, 290,447 bytes)

AN-328: Generate 4 Channels of Analog Output Using AD7542 12-Bit DAC and Control the Lot with Only 2 Wires (pdf, 316,633 bytes)

AN-322: Improve Function Generators with Matched D/A Converters (pdf, 278,804 bytes)

AD7528 Dual 8-Bit CMOS Multiplying DAC Makes Function Generation Practical and Affordable

AN-726: Triple-Supply Power-Good Indication with the ADM108x (pdf, 77,150 bytes)

1 Clocks

(1) Direct Digital Synthesizers

AD9831

AD9832

AD9833

(2) Clock Distribution ICs

AD9510

AD9511

AD9512

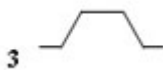
2 PLL / Multiband Synthesizer

Digital Isolators

ADUM1100

ADUM1200

ADUM1201



Digital Isolators

ADUM1100

ADUM1200

ADUM1201

4 Amp

AD8022

AD8029

AD8030

5 Direct Convert IF or RF-IF Processor

(1) Modulators

AD630

AD8340

AD8341

(2) Demodulators

AD630

AD8333

AD8347

(3) Mixers/Multipliers

AD831

AD8342

AD8343

6 RF Gain Control

(1) Logarithmic Amplifiers

AD606

AD640

AD641

(2) RMS Detectors

AD8361

ADL5500

7 Amp

(1) Variable Gain Amplifiers

AD600

AD602

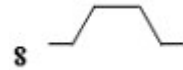
AD603

(2) Broadband Amplifiers

AD45048

AD8320

AD8321



Operational Amplifiers: High-Speed Low-Power Op Amp

AD8022

AD8029

AD8030

9 Amp

AD8022

AD8029

AD8030

10 ADC

AD12401

AD9430-170

AD9432-105

11 Application Processor and Digital Signal Processing

(1) MicroConverter&reg; Products: Precision Analog Microcontrollers

ADUC7019

ADUC7020

ADUC7021

(2) Blackfin Processor

ADSP-BF531

ADSP-BF532

ADSP-BF533

12 DAC

D/A Converters: TX High-Performance D/A

AD9744

AD9736

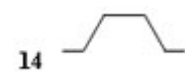
AD9755

13 Amp

AD8022

AD8029

AD8030



Operational Amplifiers: High-Speed Low-Power Op Amp

AD8022

AD8029

AD8030

15 Amp

(1) Operational Amplifiers: Precision Single-Supply Op Amp

AD8009

AD8011

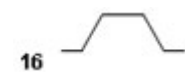
AD8641

(2) Instrumentation Amplifiers

AD522

AD524

AD526



AD8022

AD8029

AD8030

17 Mux

Multiplexers: Single-Supply Multiplexer

ADG704

ADG706

ADG707

18 Isolation

ADUM1100

ADUM1200

ADUM1201

19 ADC

(1) A/D Converters: High-Resolution SAR A/D

AD7656

AD7663

AD7664

(2) A/D Converters: 12-14 bit Single-Supply A/D

AD7940

AD7942

AD7920

(3) A/D Converters: High-Speed Low-Power A/D

AD9220

AD9224

AD9432-105