

Orca Systems at-a-Glance

Overview

Orca Systems is a provider of highly integrated radio frequency (RF) and baseband technology delivering leading edge solutions for high performance wireless applications. Orca's patented DSP-RF™ technology allows customers to achieve new benchmarks in solution cost, power and levels of integration. Orca supplies standard ICs, custom ICs and semiconductor IP for various markets.

Management Team

Guruswami Sridharan

Founder & CEO

Kartik Sridharan

Founder & VP Engineering

Joseph Thome

VP Business Development

Quick Facts

Began operating in 2006

Locations

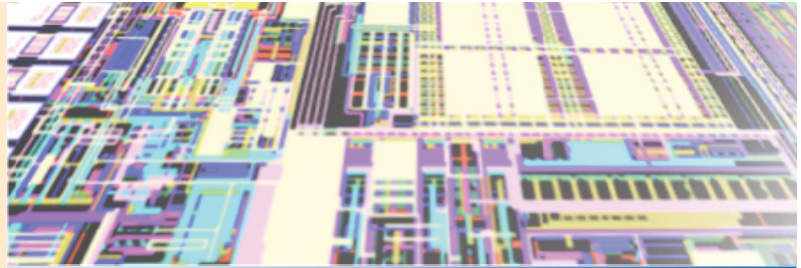
- Poway, CA USA (Headquarters)
- Bangalore, India (R&D office)

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About DSP-RF™

Orca's breakthrough DSP-RF™ platform is a novel wireless transceiver architecture that solves the challenges of development complexity, cost, power consumption and performance of RF and mixed signal designs in sub-micron CMOS process technology.

The DSP-RF™ platform is based on Orca's innovative digital receiver architecture and open-loop frequency synthesizer. These innovations enable the implementation of RF and mixed signal radios using digital circuits in standard CMOS. The result is a 4X reduction in silicon area, ultra-low power consumption and industry leading radio performance.

DSP-RF™ Benefits

High Performance: Suitable for systems requiring low noise figure, high dynamic range and high interference rejection.

Low Cost: 4X reduction in silicon area.

Low Power: Power efficient signal processing receiver and transmitter architecture supporting efficient PAs.

Design Flexibility: DSP-RF™ is suitable for any CMOS process node. The small silicon footprint significantly simplifies customer integration issues and has a simple interface with customer baseband IP.