

AM335 BASED DESIGNS



Overview

Mistral's Product Engineering Services (PES) team has the expertise and operational experience to offer product design and engineering services from concept-to-deployment, covering various aspects such as concept definition, system architecture and design, product prototyping and design for manufacturability and production. Our services help product developers translate their ideas into feature-rich products; and get them to market faster.

AM335x based Designs

The low-cost, AM335x Sitara ARM Cortex-A8 microprocessors (MPUs) from Texas Instruments enable new, robust end products while maintaining ARM9™ prices and power levels. The AM335x delivers up to 720 MHz performance with robust peripheral set and flexible power management modes that consume as little as 7mW of power. These MPUs



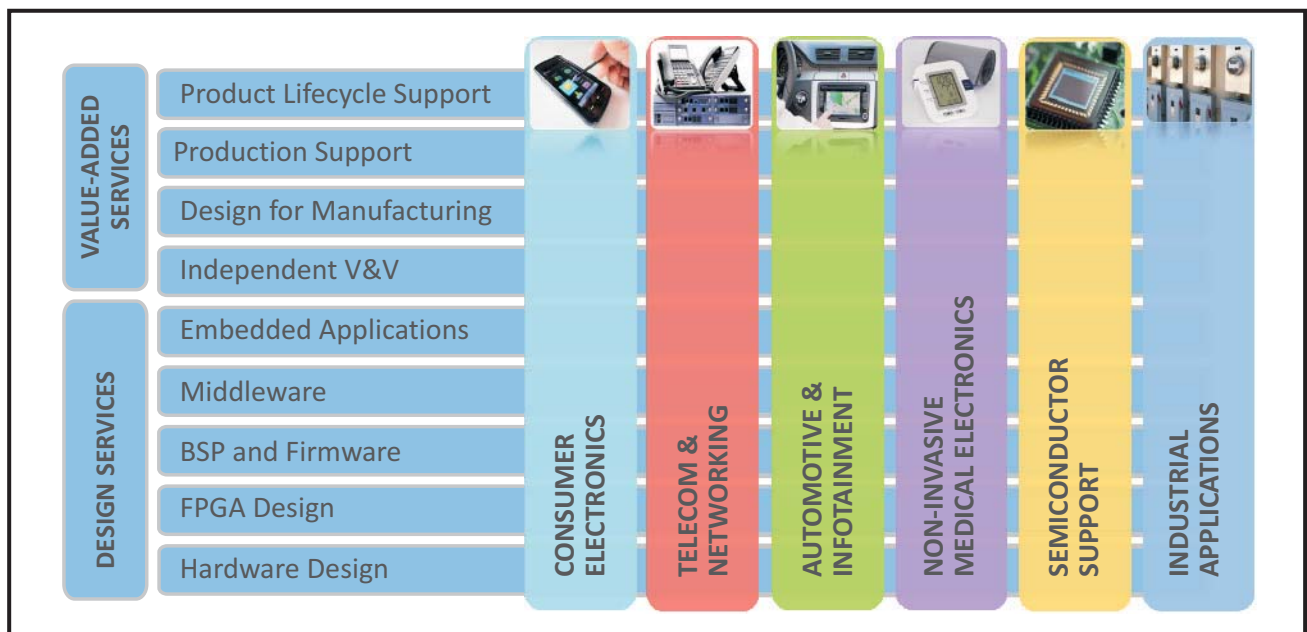
are ideal for a variety of fan-less portable navigation terminals, handheld gaming devices and home and building automation control systems as well as industrial automation devices including drives and I/O-level devices, industrial PLC applications and HMI products.

Mistral has extensive experience in developing applications based on Sitara ARM Cortex-A8 microprocessors. In addition, Mistral has the expertise to develop custom add-on modules for AM335x based EVMs to enable various interfaces (UART, CAN, I2C, SPI, Profi-Bus, EtherCAT).

Mistral's custom product design services capabilities on TI's AM335 platform include:

- ▲ Custom form-factor design and development
 - RF, Wireless, Mixed signal and High-speed digital
 - Battery-powered designs
 - Audio and Video
- ▲ Android framework customization and private market support
- ▲ OS porting to custom hardware

VERTICAL OFFERINGS





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Branch Offices:
INDIA
 • Hyderabad
 • New Delhi
USA
 • Dallas, Texas

- Linux
- Android
- Windows Embedded CE
- ▶ Field update and over the air update
- ▶ Custom device integration and related driver development
- ▶ Integration of codecs and third-party IP to a custom design
- ▶ Enable various interfaces (UART, CAN, I2C, SPI, Profi-Bus, EtherCAT)
- ▶ Design integration, verification and validation
- ▶ Prototype production
- ▶ Production support.

Mistral helps customers bring out feature-rich products in a reduced time-to-market. Mistral's design services include, Product Design, Hardware Design, Embedded Applications, BSP & Firmware, Design for Manufacturability, Production Support Services, Product Lifecycle Support and Verification & Validation.

Mistral's services also include development of custom add-on modules for AM335x based hardware to enable various interfaces (WiFi, Bluetooth, camera, CAN, UART, GPS, LCD display with touchscreen, ADCs, DACs) on the

device. This helps product developers prototype and test new features on the AM335x based hardware that they want to add to their end product; before building a custom form factor design of the product.

Some of the projects executed on the Sitara ARM Cortex-A8 platforms include:

▶	Point-of-sale device
▶	Android based display device connecting the home appliance to the internet
▶	Development of an access point for industrial use



Mistral is a member of TI's Elite Design House Network and is a part of a niche group of international companies that offer system-level design services and products, providing accelerated product innovation and time-to-market to product developers.

Mistral is a technology design and systems engineering company providing end-to-end solutions for product design and application deployment. Mistral is focused in three business domains: Product Engineering Services, Defense Solutions and Homeland Security. Mistral provides total solutions for a given requirement, which may include hardware board design, embedded software development,

FPGA design, systems integration and customized turnkey solutions.

Mistral's strategic partnerships with leading technology companies help provide customers with a comprehensive package of end- to-end solutions.