



DSP-CM40x Mixed Signal Processor

The ADSP-CM40x Mixed Signal Processor from Analog Devices delivers industry leading system performance on many levels. Two of the most critical are, with overall digital processor and control performance, the ADSP-CM40x is the fastest ARM Cortex M4 processor in the industry with a maximum core clock rate of 240MHz and optimized DMA system capability. Secondly, it also delivers industry leading analog performance with the most accurate and fastest integrated 16 bit ADC with 14 bits of accuracy and a mere 380ns of conversion latency. The ADSP-CM40x also delivers innovative features like SINC filters that allows for glue integration to sigma delta modulators for best in class current sense capability along with a harmonic analysis engine that allows designers to make power and efficiency analysis on current and voltages in their system. With these features along with the overall system architectures in any power conversion and embedded system, the ADSP-CM40x are offering innovation that allow any design engineer to extend design methodologies beyond what is possible today embracing next generation design in embedded systems for industrial motor control, photovoltaic inverters, power line monitors, patient monitors and many other embedded applications.