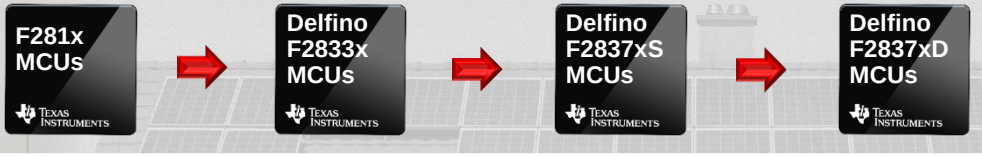
TI's leadership in real-time control is highlighted by the scalable C2000™ Delfino™ MCU family

With the launch of the C2000™ F281x MCUs in 2002, TI embarked on a journey of developing a road map of high-performance MCUs targeted at real-time control applications such as industrial drives and digital power, which required high-performance analog integration and long-term support due to the long production cycles of these industries.



Click a part number above to learn more

CPU	C28x	C28x FPU	C28x FPU	Dual C28x FPU
Trigonometric Math Unit (TMU)	--		Yes	
Viterbi Complex Math Unit (VCU II)	--		Yes	
Frequency (MHz)	150		200	
Control Law Accelerator (CLA)	--		Single	Dual
Flash (KB)	256	Up to 512	Up to 1024	
RAM (KB)	36	68	Up to 164	Up to 204
ADC	16-Ch 12-Bit		Up to 24-Ch 12-Bit or 12-Ch 16-Bit	
ADC Conversion Time	80 ns		3.5 MSPS 12-Bit or 1.1 MSPS 16-Bit	
USB	--		Host or Device	
Delta-Sigma Filter and Compare Channels	--		8-Ch	
DAC Subsystem	--		3x 12-Bit DACs 8x Comparators	
PWM Channels	16	18	24, 16 with 150ps resolution	
External Memory IF (EMIF)	1x 16-Bit	1x 32/16-Bit	1x 32-Bit, 1x16-Bit	
DMA (Ch)	--	1x 6-Ch DMA		2x 6-Ch DMA

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