International Trade Press Briefing
"XMC1000: 8-Bit Price for 32-Bit Power"

January 17, 2013
Headquarters of Infineon Technologies, Am Campeon, Neubiberg, Germany

Press photos / Pressebilder: Products / Produkte



XMC1000_Microcontroller Family

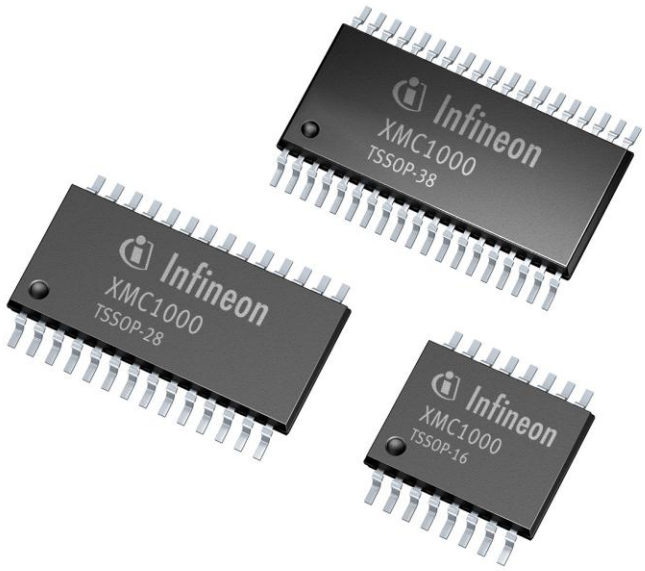
Die 32-bit Mikrocontrollerfamilie XMC1000 für einfache Industrieanwendungen bietet 32-bit Leistung zu 8-bit Preisen. Anwendungen sind Sensorik- und Aktuatorikanwendungen, LED-Beleuchtungen, digitale Leistungswandlung (wie unterbrechungsfreie Stromversorgungen) und einfache Motorsteuerungen (z.B. für Haushaltsgeräte, Pumpen, Lüfter und eBikes).

The 32-bit microcontroller family XMC1000 for low-end industrial applications offers 32-bit power for 8-bit prices. It addresses sensor and actuator applications, LED lighting, digital power conversion, such as uninterruptible power supplies, and simple motor drives, such as those used in household appliances, pumps, fans and e-bikes.

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XMC1000_All Packages Plain

Die 32-bit Mikrocontrollerfamilie XMC1000 für einfache Industrieanwendungen bietet 32-bit Leistung zu 8-bit Preisen. Muster aller XMC1000-Serien und die Entwicklungsumgebung DAVE für XMC1000 sind ab März 2013 verfügbar.

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		XMC1100	XMC1200	XMC1300
System Performance	Core	ARM® Cortex™-M0		
	CPU Frequency	32MHz		
	Co-Processor			MATH
	Flash Size	8–64kB	16–200kB	8–200kB
	RAM Size	16kB	16kB	16kB
Timers	POSIF			1x[1)]
	CCU4 (4ch)	1x	1x	1x
	CCU8 (4ch)			1x
Signal Processing	ADC 12-bit	1x	1x (2x S&H)	1x (2x S&H)
	Comparator		2x[1)]	3x[1)]
Communication	Serial Channels (UART, SPI, I^2C, I^2S)	2 Channels	2 Channels	2 Channels
Application Specific	Touch Control/LED Display Matrix		✓[1)]	
	LED Dimming & Color Control		✓[1)]	✓[1)]

1) Not valid for all variants of this product series

XMC1000_Table Overview

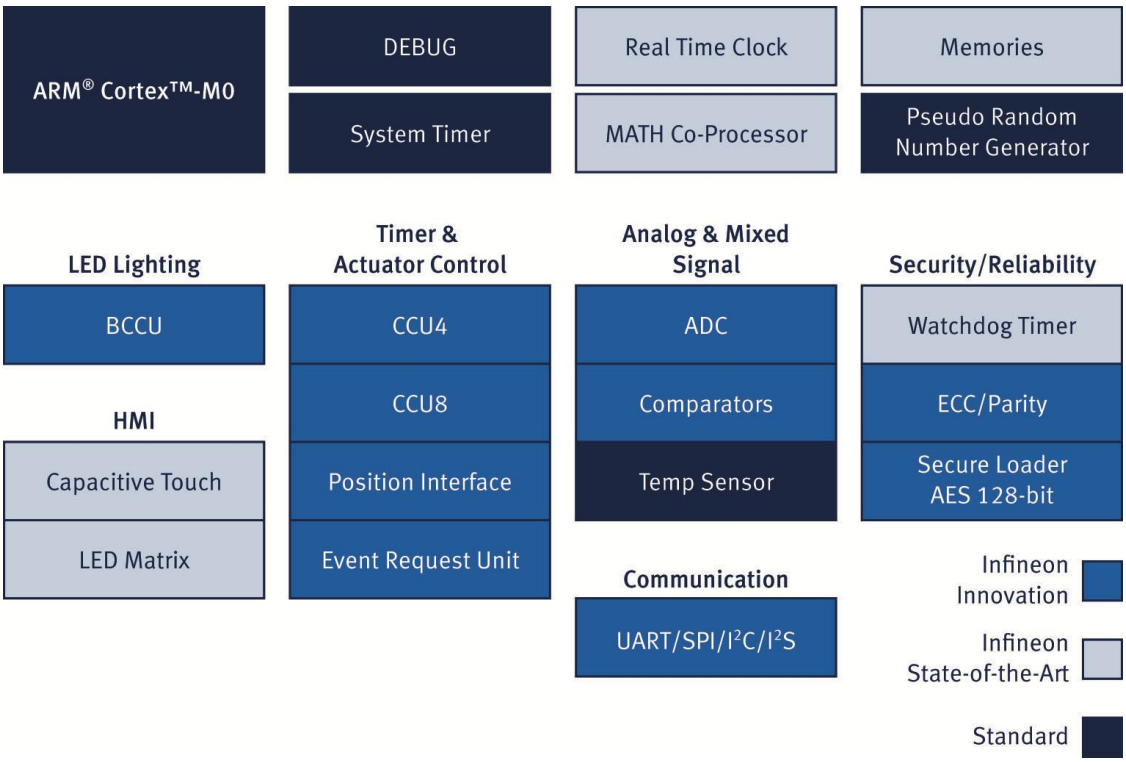
Zur XMC1000-Familie gehören drei Serien: XMC1100 (Einstiegsserie), XMC1200 (Feature-Serie) und XMC1300 (Control-Serie). Sie unterscheiden sich im Wesentlichen bei Speicherkapazität und Peripherieausstattung.

Infineon is launching the XMC1000 family in three series at the same time: XMC1100 (Entry series), XMC1200 (Feature series) and XMC1300 (Control series). The three series differ essentially in terms of their memory capacity and peripheral set.

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XMC1000_Block Diagram

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