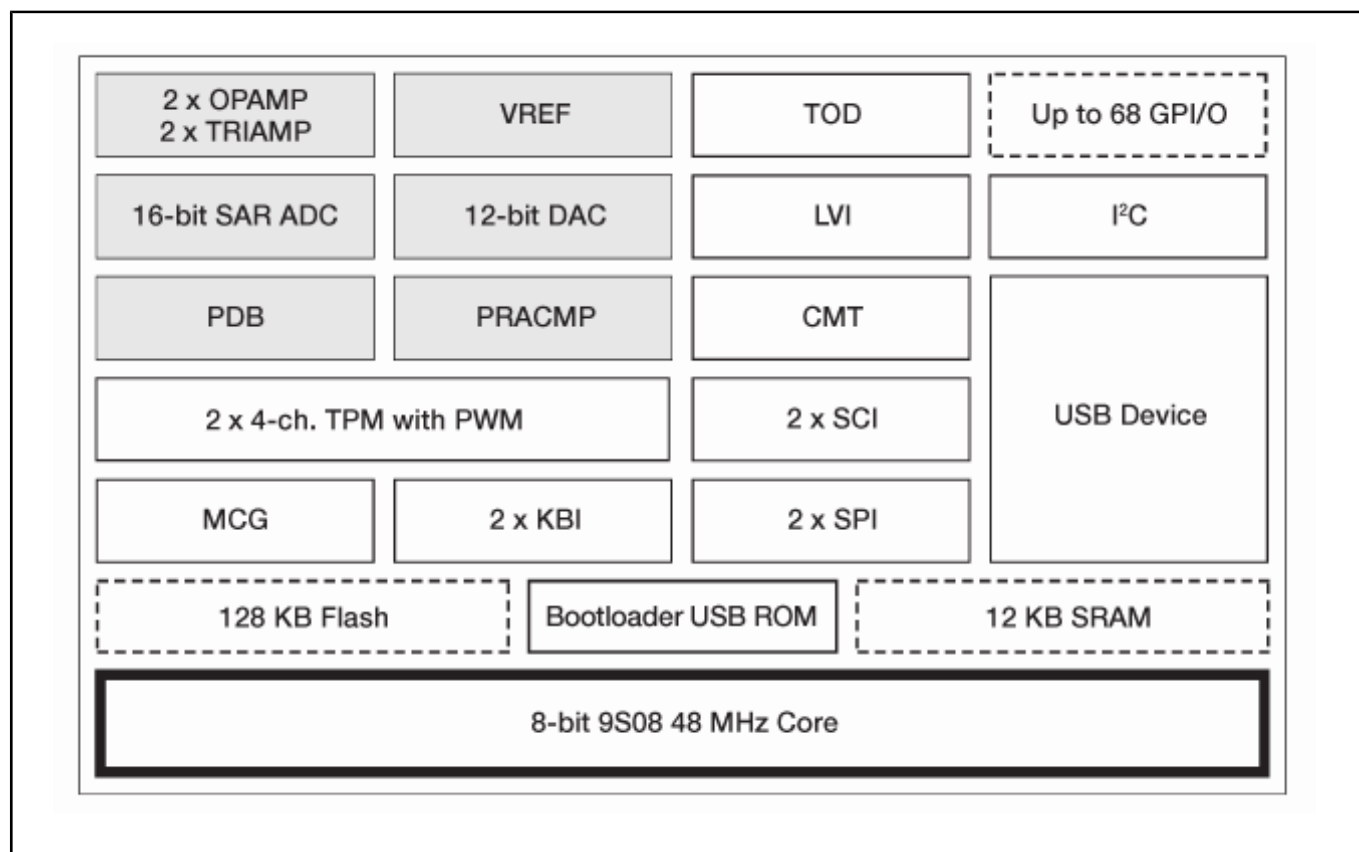# 8-bit Flexis USB MM128/64/32 MCUs

S08MM

Last Updated: Mar 5, 2025

The 9S08MM128/64/32 provides USB connectivity, graphic display support and unparalleled measurement accuracy, all in a single 8-bit microcontroller, allowing device designers to create more fully featured products at a lower cost.

The 9S08MM128/64/32 is ideal for medical applications or other applications requiring a significant amount of precision analog such as instrumentation and industrial control. The 9S08MM128/64/32 is part of Our Flexis microcontroller series.

NXP S08MM Microcontroller Block Diagram Block Diagram

2 x OPAMP 2 x TRIAMP	VREF	TOD	Up to 68 GPI/O
16-bit SAR ADC	12-bit DAC	LVI	I²C
PDB	PRACMP	CMT	
2 x 4-ch. TPM with PWM		2 x SCI	USB Device
MCG	2 x KBI	2 x SPI	
128 KB Flash	Bootloader USB ROM	12 KB SRAM	
8-bit 9S08 48 MHz Core			

View additional information for 8-bit Flexis USB MM128/64/32 MCUs.

Note: The information on this document is subject to change without notice.