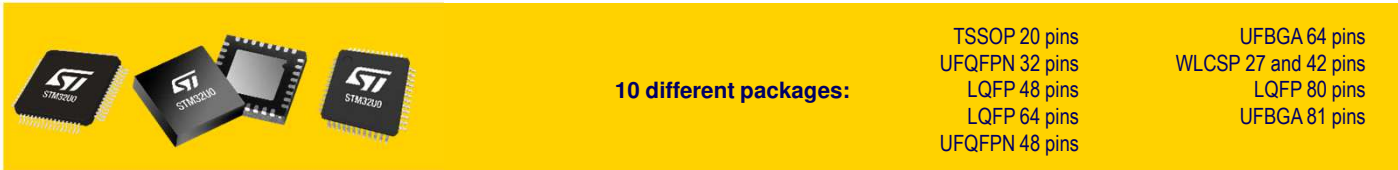




Welcome to this presentation that introduces the STM32U0 series.

Many options available to streamline costs



Product lines	FLASH (KB)	RAM (KB)	LCD Segment Display Controller 8x48/ 4x52	USB 2.0 crystal-less device mode	ULP Comparators	ULP timers with input capture	ULP UART	AES 128/256
STM32U031	16 to 64	12			1	2	1	
STM32U073	64 to 256	40	•	•	2	3	2	
STM32U083	256	40	•	•	2	3	2	•

STM32U0 MCUs have three derivatives:

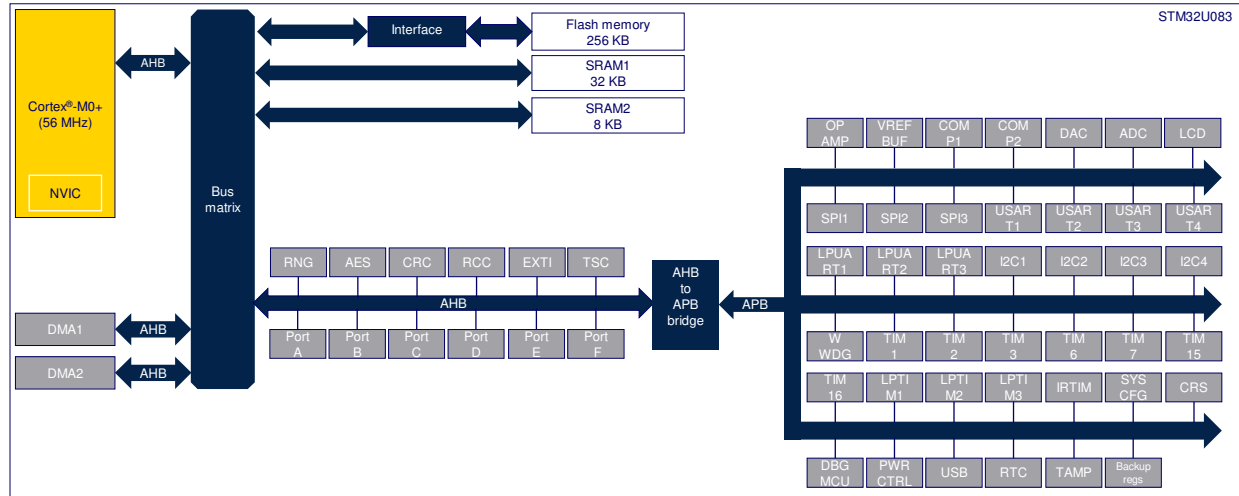
- STM32U083
- STM32U073
- STM32U031.

They support the same packages, that are listed in this slide, but have differences in terms of integrated peripherals and embedded memory sizes.

Some differences are highlighted in the table.

The next slides will further detail these differences.

STM32U083 block diagram

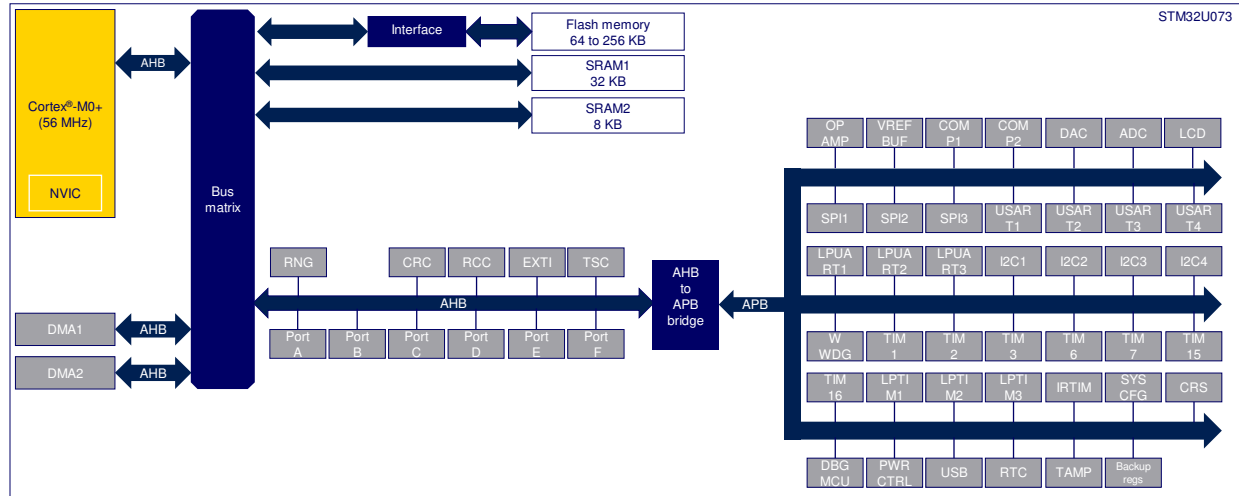


3

The STM32U83 embeds the complete list of peripherals
Its internal memory sizes are:

- 256 KB of flash
- 40 KB of SRAM split into two separate memory ports enabling concurrent accesses: 32 KB for SRAM1 and 8 KB for SRAM2.

STM32U073 block diagram

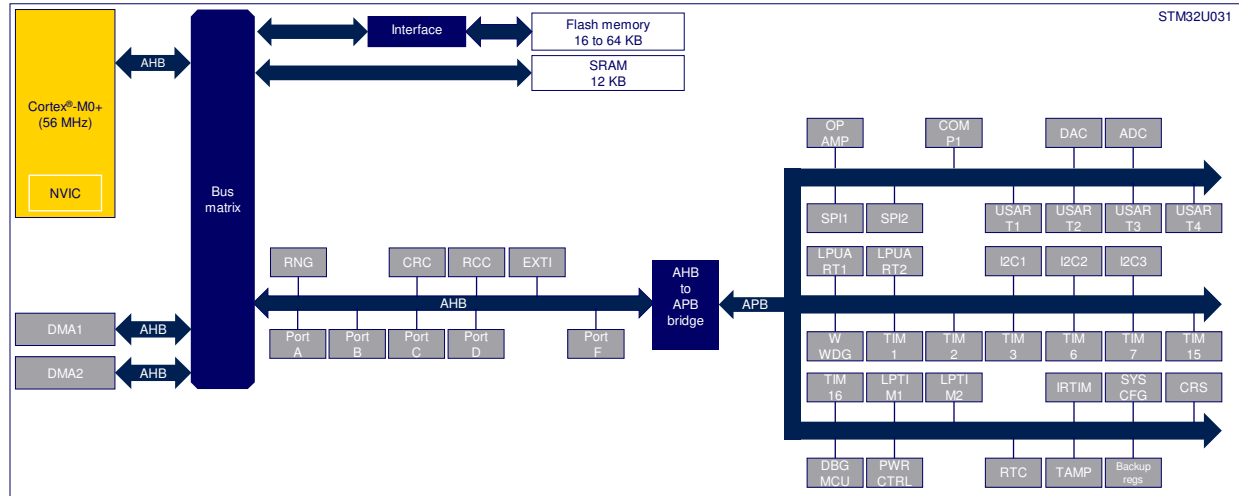


4

The differences between STM32U083 and STM32U073 are:

- Flash memory size from 64 to 256 KB
- No AES accelerator.

STM32U031 block diagram



5

The differences between STM32U073 and STM32U031 are:

- Flash memory size from 16 to 64 KB
- Unique SRAM of 12 KB
- No Touch Sensing Controller (TSC)
- No GPIO port E
- No LCD controller
- No VREFBUF and COMP2 analog units
- No SPI3, LPUART3, I2C4 communication controllers
- No LPTIM3
- No USB controller.

Our technology starts with You



Find out more at www.st.com/STM32U0

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Thanks for attending this presentation!