

# Embedded Computing Hardware

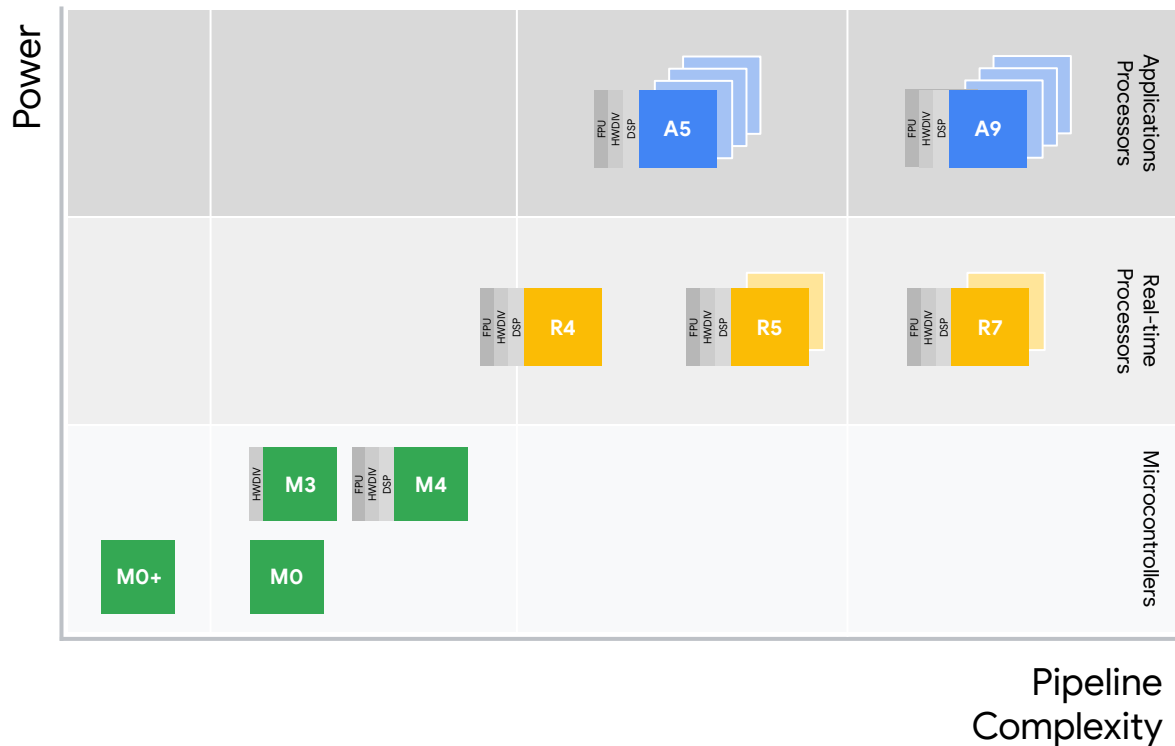


# Computing Hardware

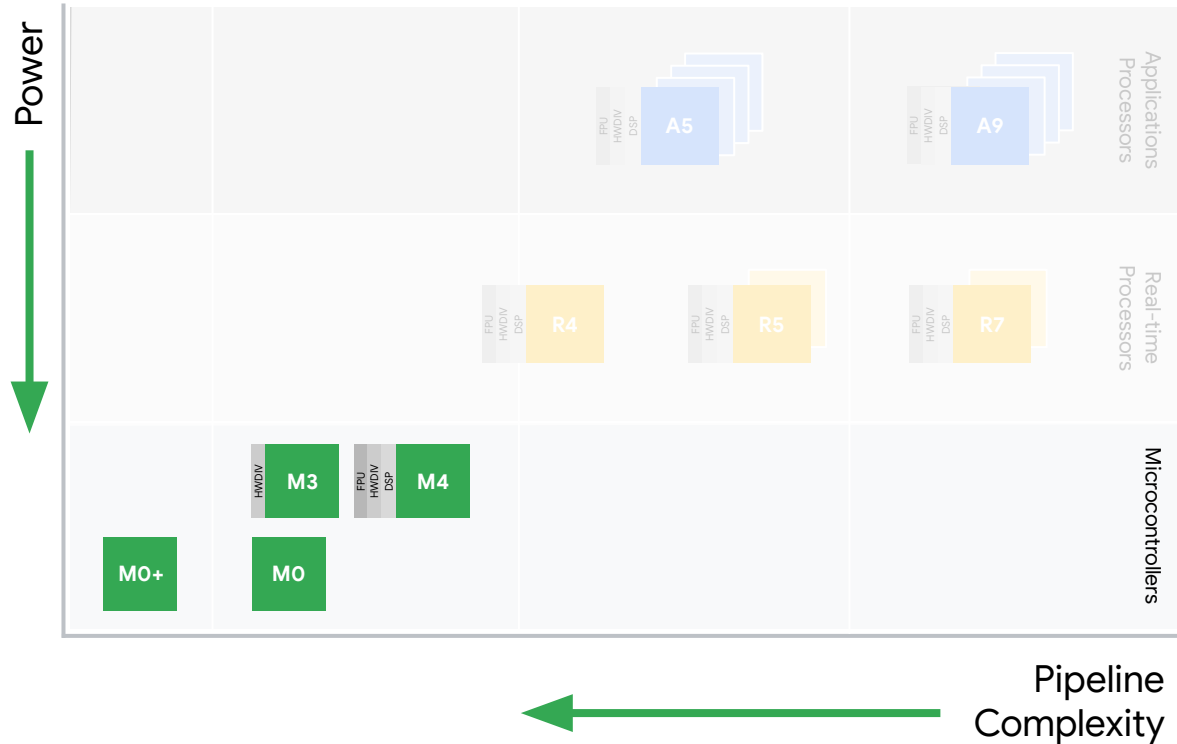


Board	MCU / ASIC	Clock	Memory	Sensors	Radio
Himax WE-I Plus EVB	HX6537-A 32-bit EM9D DSP	400 MHz	2MB flash 2MB RAM	Accelerometer, Mic, Camera	None
Arduino Nano 33 BLE Sense	32-bit nRF52840	64 MHz	1MB flash 256kB RAM	Mic, IMU, Temp, Humidity, Gesture, Pressure, Proximity, Brightness, Color	BLE
SparkFun Edge 2	32-bit ArtemisV1	48 MHz	1MB flash 384kB RAM	Accelerometer, Mic, Camera	BLE
Espressif EYE	32-bit ESP32-D0WD	240 MHz	4MB flash 520kB RAM	Mic, Camera	WiFi, BLE

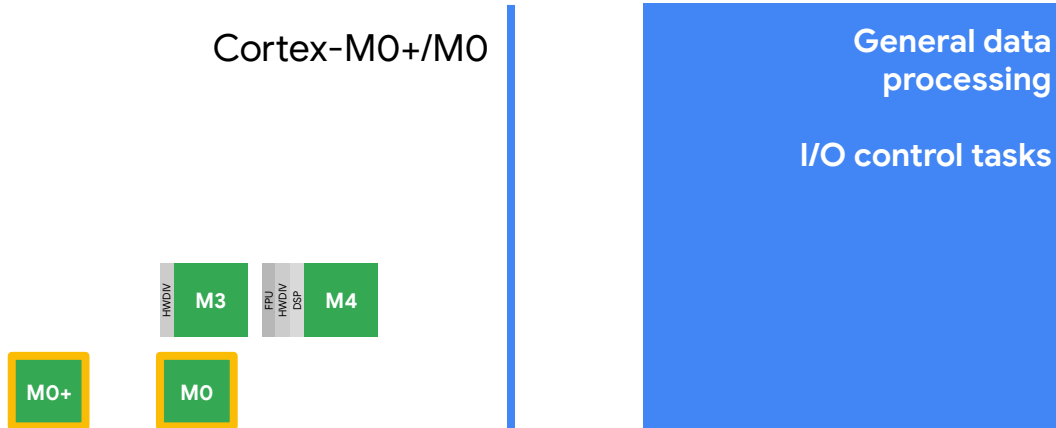
# ARM Cortex Processor Profiles



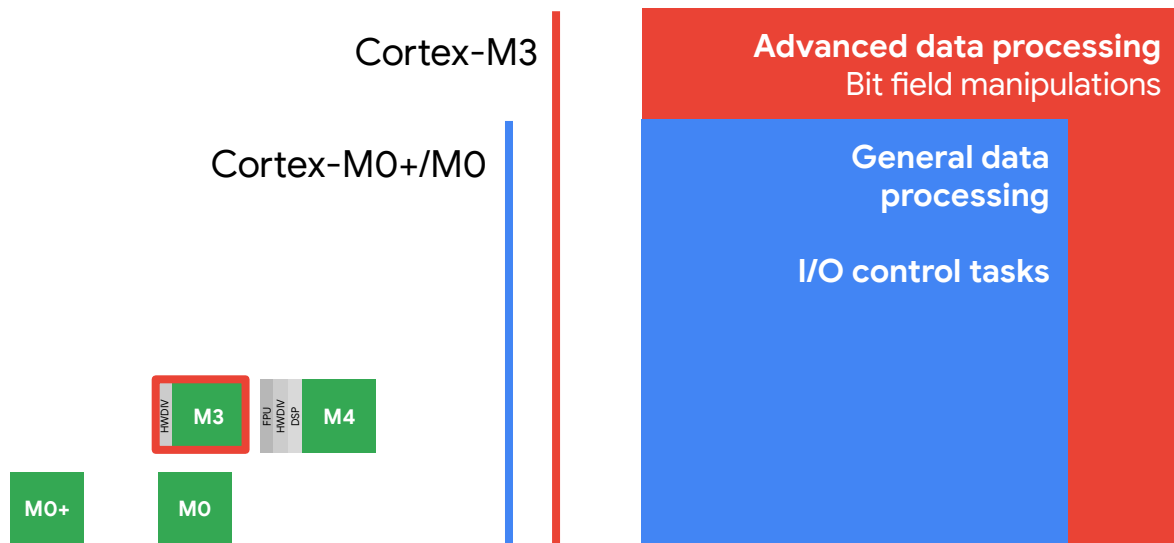
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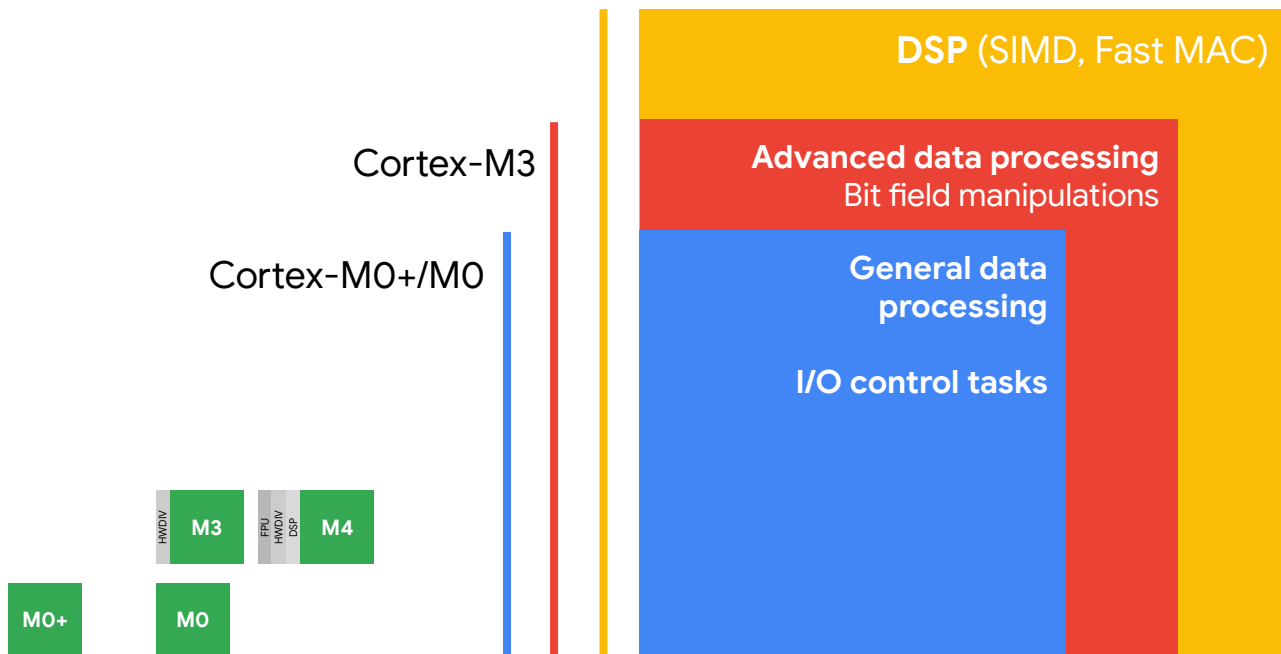
# ARM Cortex-M ISA



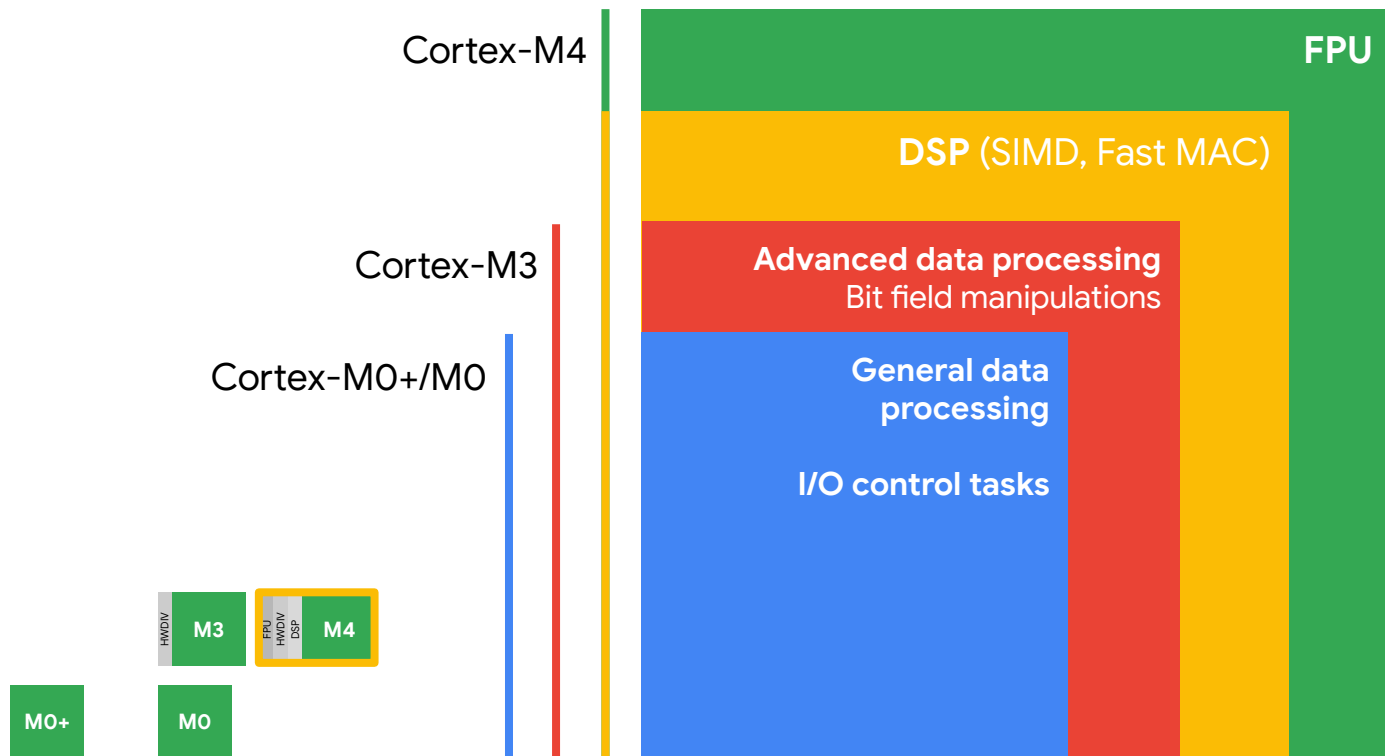
# ARM Cortex-M ISA



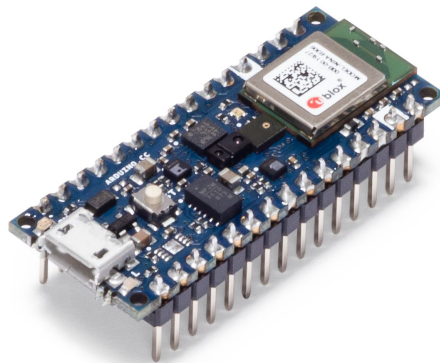
# ARM Cortex-M ISA



# ARM Cortex-M ISA







Board	Microcontroller	Clock	Memory	Sensors	Radio
Arduino Nano 33 BLE Sense	<b>32-bit nRF52840-M4</b>	<b>64 MHz</b>	<b>1MB flash 256kB RAM</b>	Mic, IMU, Temp, Humidity, Gesture, Pressure, Proximity, Brightness, Color	BLE