

Espressif's Series of SoCs

Espressif drives the development of AIoT solutions, with its complete MCUs featuring integrated Wi-Fi, Bluetooth and IEEE 802.15.4 connectivity.

	Connectivity	Core	RAM	GPIO
 ESP32-S2	 2.4 GHz Wi-Fi 4	Xtensa® LX7 32-bit Single Core	320 KB	43
 AI Accelerator				
 ESP32-S3	 2.4 GHz Wi-Fi 4  Bluetooth 5 (LE)	Xtensa® LX7 32-bit Dual Core	512 KB	45
 ESP32-C2	 2.4 GHz Wi-Fi 4  Bluetooth 5 (LE)	RISC-V 32-bit Single Core	272 KB	14
 ESP32-C3	 2.4 GHz Wi-Fi 4  Bluetooth 5 (LE)	RISC-V 32-bit Single Core	400 KB	22
 ESP32-C5	 2.4 / 5 GHz Wi-Fi 6  Bluetooth 5 (LE)  Thread  Zigbee	RISC-V 32-bit Single Core	512 KB	20+
 ESP32-C6	 2.4 GHz Wi-Fi 6  Bluetooth 5 (LE)  Thread  Zigbee	RISC-V 32-bit Single Core	512 KB	30 or 22
 ESP32-H2	 Bluetooth 5 (LE)  Thread  Zigbee	RISC-V 32-bit Single Core	320 KB	19
 ESP32-P4	/	RISC-V 32-bit Dual Core	768 KB	50+
 ESP32	 2.4 GHz Wi-Fi 4  Bluetooth 4.2 (BR/EDR + LE)	Xtensa® LX6 32-bit Single/Dual Core	520 KB	34
 ESP8266	 2.4 GHz Wi-Fi 4	Tensilica® L106 32-bit Single Core	160 KB	17



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