| **Chip Series** | **Module** | **Chip Variant** | **External Flash(MB)** | **External PSRAM (MB)** | **On-chip Flash (MB)** | **On-chip PSRAM (MB)** |
| --- | --- | --- | --- | --- | --- | --- |
| ESP32-S3 | [ESP32-S3-WROOM-1](https://www.espressif.com/sites/default/files/documentation/esp32-s3-wroom-1_wroom-1u_datasheet_en.pdf) / -1U | ESP32-S3 | 4, 8, 16 | 0 | 0 | 0 |
|  |  | ESP32-S3R2 | 4, 8, 16 | 0 | 0 | 2 |
|  |  | ESP32-S3R8 | 4, 8, 16 | 0 | 0 | 8 |
|  | [ESP32-S3-WROOM-](https://www.espressif.com/sites/default/files/documentation/esp32-s3-wroom-1_wroom-1u_datasheet_en.pdf)2 | ESP32-S3R8V | 4, 8, 16 | 0 | 0 | 8 |
|  | [ESP32-S3](https://www.espressif.com/sites/default/files/documentation/esp32-s3-wroom-1_wroom-1u_datasheet_en.pdf)-MINI-1 / -1U | ESP32-S3FN8 | 0 | 0 | 8 | 0 |
|  |  | ESP32-S3FH4R2 | 0 | 0 | 4 | 2 |
| ESP32-S2 | [ESP32-S2-MINI-2](https://www.espressif.com/sites/default/files/documentation/esp32-s2-mini-2_esp32-s2-mini-2u_datasheet_en.pdf) / -2U | ESP32-S2FH4 | 0 | 0 | 4 | 0 |
|  |  | ESP32-S2FN4R2 | 0 | 0 | 4 | 2 |
|  | [ESP32-S2-SOLO-2](https://www.espressif.com/sites/default/files/documentation/esp32-s2-solo-2_esp32-s2-solo-2u_datasheet_en.pdf) / -2U | ESP32-S2 | 4 | 0 | 0 | 0 |
|  |  | ESP32-S2R2 | 4 | 0 | 0 | 2 |
| ESP32-C6 | [ESP32-C6-MINI-1](https://www.espressif.com/sites/default/files/documentation/esp32-c6-mini-1-mini-1u_datasheet_en.pdf) / -1U | ESP32-C6FH4 | 0 | 0 | 4 | 0 |
|  | [ESP32-C6-WROOM-1](https://www.espressif.com/sites/default/files/documentation/esp32-c6-wroom-1-wroom-1u_datasheet_en.pdf) / -1U | ESP32-C6 | 4, 8, 16 | 0 | 0 | 0 |
| ESP32-C3 | [ESP32-C3-MINI-1](https://www.espressif.com/sites/default/files/documentation/esp32-c3-mini-1_datasheet_en.pdf) / -1U | ESP32-C3FH4 | 0 | 0 | 4 | 0 |
|  |  | ESP32-C3FH4X | 0 | 0 | 4 | 0 |
|  | [ESP32-C3-WROOM-02](https://www.espressif.com/sites/default/files/documentation/esp32-c3-wroom-02_datasheet_en.pdf) / -02U | ESP32-C3 | 4 | 0 | 0 | 0 |
| ESP32-H2 | [ESP32-H2-MINI-1](https://www.espressif.com/sites/default/files/documentation/esp32-h2-mini-1_mini-1u_datasheet_en.pdf) / -1U | ESP32-H2FH2 | 2, 4 | 0 | 2 | 0 |
|  |  | ESP32-H2FH4 | 2, 4 | 0 | 4 | 0 |
|  | [ESP32-H2-WROOM\*(-02C](https://www.espressif.com/sites/default/files/documentation/esp32-h2-wroom-02c_datasheet_en.pdf), -03, -07) | ESP32-H2FH2 | 2, 4 | 0 | 2 | 0 |
|  |  | ESP32-H2FH4 | 2, 4 | 0 | 4 | 0 |
| ESP32 | [ESP32-WROOM-32E](https://www.espressif.com/sites/default/files/documentation/esp32-wroom-32e_esp32-wroom-32ue_datasheet_en.pdf)[ESP32-WROOM-32UE](https://www.espressif.com/sites/default/files/documentation/esp32-wroom-32e_esp32-wroom-32ue_datasheet_en.pdf) | ESP32-D0WD-V3 | 4, 8, 16 | 0 | 0 | 0 |
|  |  | ESP32-D0WDR2-V3 | 4, 8, 16 | 0 | 0 | 2 |
|  | [ESP32-WROVER-E](https://www.espressif.com/sites/default/files/documentation/esp32-wrover-e_esp32-wrover-ie_datasheet_en.pdf)[ESP32-WROVER-IE](https://www.espressif.com/sites/default/files/documentation/esp32-wrover-e_esp32-wrover-ie_datasheet_en.pdf) | ESP32-D0WD-V3 | 4, 8, 16 | 8 | 0 | 0 |
|  |  | ESP32-D0WDR2-V3 | 4, 8, 16 | 8 | 0 | 2 |
|  | [ESP32-MINI-1](https://www.espressif.com/sites/default/files/documentation/esp32-mini-1_datasheet_en.pdf) / -1U | ESP32-U4WDH | 0 | 0 | 4 | 0 |
|  | [ESP32-DU1906](https://www.espressif.com/sites/default/files/documentation/esp32-du1906_esp32-du1906-u_datasheet_cn.pdf) / U | ESP32-D0WD-V3 | 8 | 8 | 0 | 0 |
| ESP32-PICO | [ESP32-PICO-MINI-02](https://www.espressif.com/sites/default/files/documentation/esp32-pico-mini-02_datasheet_en.pdf) / -02U | ESP32-PICO-V3-02 | 0 | 0 | 8 | 2 |
|  | [ESP32-PICO-V3-ZERO](https://www.espressif.com/sites/default/files/documentation/esp32-pico-v3-zero_datasheet_en.pdf) | ESP32-PICO-V3  | 0 | 0 | 4 | 0 |