Espressif Products Ordering Information

Version 1.9

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> 📖 **Notes**
>
> - *MP denotes mass production. The version number following MP is the latest MP version.*
>
> - *SPQ: Standard Pack Quantity; MOQ: Minimum Order Quantity.*
>
> - *We accept custom orders of modules with different flash sizes. Please contact our salesperson.*
>
> - *Unless otherwise specified, all the modules have the same dimensional tolerance: ±0.2 mm for length and width, ±0.15 mm for height.*
>
> - *ESP-WROVER-KIT integrates the ESP32-WROVER module by default.*
>
> - *Release notes for this document are listed on the last page.*

1. ESP32 Series

Part number	Marketing status	SPQ (pcs/reel)	MOQ (pcs)	Description	Size (mm)	Default flash size	Custom flash size	Related product
Chips								
ESP32-D0WD *Datasheet*	MP	5,000	5,000	Wi-Fi+BT Dual core	5x5	-	-	-
ESP32-D0WDQ6 *Datasheet*	MP	3,000	3,000	Wi-Fi+BT Dual core	6x6	-	-	-
ESP32-D2WD *Datasheet*	MP	5,000	5,000	Wi-Fi+BT Dual core Flash embedded	5x5	16 Mbit	-	-
ESP32-S0WD *Datasheet*	MP	5,000	5,000	Wi-Fi+BT Single core	5x5	-	-	-
Modules								
ESP32-WROOM-32 *Datasheet*	MP	550	550	ESP32-D0WDQ6 embedded	18x25.5x3.1	32 Mbit	64 Mbit / 128 Mbit	ESP32-D0WDQ6 *Datasheet*
ESP32-WROOM-32D *Datasheet*	MP	650	650	ESP32-D0WD embedded	18x25.5x3.1	32 Mbit	64 Mbit / 128 Mbit	ESP32-D0WD *Datasheet*
ESP32-WROOM-32U *Datasheet*	MP	650	650	ESP32-D0WD embedded U.FL connector	18(±0.1)x19.2(±0.1)x3.2(±0.1)	32 Mbit	64 Mbit / 128 Mbit	ESP32-D0WD *Datasheet*

Part number	Marketing status	SPQ (pcs/reel)	MOQ (pcs)	Description	Size (mm)	Default flash size	Custom flash size	Related product
ESP32-SOLO-1 *Datasheet*	MP	650	650	ESP32-S0WD embedded	18x25.5x3.1	32 Mbit	-	ESP32-S0WD *Datasheet*
ESP32-WROVER *Datasheet*	MP	650	650	PCB antenna, 64-Mbit PSRAM	(18±0.15)x(31.4±0.2)x(3.5±0.15)	32 Mbit	64 Mbit / 128 Mbit	ESP32-D0WDQ6 *Datasheet*
ESP32-WROVER-I *Datasheet*	MP	650	650	IPEX antenna 64-Mbit PSRAM	(18±0.15)x(31.4±0.2)x(3.5±0.15)	32 Mbit	64 Mbit / 128 Mbit	ESP32-D0WDQ6 *Datasheet*
ESP32-WROVER-B *Datasheet*	MP	650	650	PCB antenna, 64-Mbit PSRAM	(18±0.15)x(31.4±0.2)x(3.5±0.15)	32 Mbit	64 Mbit / 128 Mbit	ESP32-D0WD *Datasheet*
ESP32-WROVER-IB *Datasheet*	MP	650	650	IPEX antenna 64-Mbit PSRAM	(18±0.15)x(31.4±0.2)x(3.5±0.15)	32 Mbit	64 Mbit / 128 Mbit	ESP32-D0WD *Datasheet*
ESP32-PICO-D4 *Datasheet*	MP	2,000	2,000	SiP module 32-Mbit SPI flash	7.0(±0.1)x7.0(±0.1)x0.94(±0.1)	32 Mbit	-	-
Development boards								
ESP32-DevKitC *Getting Started Guide*	MP	-	-	ESP32-WROOM-32/ ESP32-WROOM-32D/ ESP32-WROOM-32U/ ESP32-SOLO-1 embedded	-	-	-	ESP32-WROOM-32 *Datasheet* ESP32-WROOM-32D *Datasheet* ESP32-WROOM-32U *Datasheet* ESP32-SOLO-1 *Datasheet*
ESP-WROVER-KIT *Getting Started Guide*	MP	-	-	ESP32-WROVER embedded	-	-	-	ESP32-WROVER *Datasheet*
ESP32-PICO-KIT *Getting Started Guide*	MP	-	-	ESP32-PICO-D4 embedded	-	-	-	ESP32-PICO-D4 *Datasheet*
ESP32-LyraT *User Guide*	MP	-	-	ESP32-WROVER embedded	-	-	-	ESP32-WROVER *Datasheet*
ESP32-LyraTD-MSC *User Guide*	MP	-	-	ESP32-WROVER embedded	-	-	-	ESP32-WROVER *Datasheet*
ESP-Prog *Getting Started*	MP	-	-	-	-	-	-	-
ESP32-MeshKit-Sense *Hardware Design Guidelines*	Sample	-	-	ESP32-WROOM-32/ ESP32-WROOM-32D embedded	-	-	-	ESP32-WROOM-32 *Datasheet* ESP32-WROOM-32D *Datasheet*

Part number	Marketing status	SPQ (pcs/reel)	MOQ (pcs)	Description	Size (mm)	Default flash size	Custom flash size	Related product
Development kits								
ESP32-Sense Kit (with ESP-Prog by default) *User Guide*	MP	-	-	-	-	-	-	-
ESP32-MeshKit-Light *User Guide*	Sample	-	-	-	-	-	-	-

2. ESP8266 Series

Part number	Marketing status	SPQ (pcs/reel)	MOQ (pcs)	Description	Size (mm)	Default flash size	Custom flash size	Related product
Chips								
ESP8266EX *Datasheet*	MP	5,000	5,000	Wi-Fi Single core	5x5	-	-	-
ESP8285 *Datasheet*	MP	5,000	5,000	Wi-Fi Single core Flash embedded	5x5	8 Mbit	-	-
Modules								
ESP-WROOM-02 *Datasheet*	MP	650	650	ESP8266EX embedded	18x20x3	16 Mbit	32 Mbit	ESP8266EX *Datasheet*
ESP-WROOM-02D *Datasheet*	MP	650	650	ESP8266EX embedded	18x20x3.2	16 Mbit	32 Mbit	ESP8266EX *Datasheet*
ESP-WROOM-02U *Datasheet*	MP	650	650	ESP8266EX embedded U.FL connector	18(±0.1)x14.3(±0.1)x3.2(±0.1)	16 Mbit	32 Mbit	ESP8266EX *Datasheet*
ESP-WROOM-S2 *Datasheet*	MP	650	650	ESP8266EX embedded SPI interface	16x23x3	16 Mbit	-	ESP8266EX *Datasheet*
Development boards								
ESP-Launcher *Hardware Design Guidelines*	MP	-	-	ESP8266EX embedded	-	32 Mbit	-	ESP8266EX *Datasheet*

3. ESP8089 Series

Part number	Marketing status	SPQ (pcs/reel)	MOQ (pcs)	Description	Size (mm)	Default flash size	Related product
Chips							
ESP8089 *Datasheet*	MP	5,000	5,000	Wi-Fi	5x5	-	-

Release Notes

Date	Version	Release notes
2017.06	V1.0	First release.
2017.08	V1.1	Updated version.
2017.08	V1.2	Added ESP32-PICO-D4; Deleted ESP8689; Corrected typos.
2017.09	V1.3	Updated SPQ and MOQ for ESP32-PICO-D4; Updated the marketing status of ESP32-D0WD and ESP32-D2WD to MP; Added ESP-WROOM-02D module.
2017.11	V1.4	Added ESP-WROOM-32D and ESP32-WROOM-32U modules; Added ESP32-PICO-KIT; Added ESP-WROOM-02D and ESP-WROOM-02U modules; Updated SPQ and MOQ for several modules.
2017.12	V1.5	Corrected some typos.
2018.03	V1.6	Updated the product names of ESP-WROOM-32 and ESP-WROOM-32D.
2018.06	V1.7	Updated the marketing status of ESP32-S0WD, ESP32-WROOM-32D, ESP32-WROOM-32U, ESP-WROOM-02D, and ESP-WROOM-02U to MP; Updated the module information of ESP32-DevKitC; Updated the information of PSRAM integrated on ESP32-WROVER and ESP32-WROVER-I; Added ESP32-SOLO-1, ESP32-LyraT, ESP32-LyraTD-MSC, ESP32-Sense Kit, and ESP-Prog.
2018.06	V1.8	Added the link to ESP32-SOLO-1 Datasheet; Added ESP32-WROVER-B and ESP32-WROVER-IB.

Date	Version	Release notes
2018.07	V1.9	Updated the marketing status of ESP32-PICO-D4, ESP32-LyraT, ESP32-LyraTD-MSC, ESP32-Sense Kit, ESP-Prog, ESP32-WROVER-B, and ESP32-WROVER-IB to MP;
		Added ESP32-MeshKit-Sense and ESP32-MeshKit-Light.
		Added the column "Custom flash size" for modules available for customized order.

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