


















| Device  | Chip          | RAM   FLASH                          | Interface   | Display  | MEMS              | Microphone             | LED                       | IR                      | Button | Speaker                   | Li-Battery | Include   |
|---|---------------|--------------------------------------|---|--|-------------------|------------------------|---------------------------|-------------------------|--------|---------------------------|------------|---|
|    | ESP32-D0WDQ6  | 520KB RAM<br>4MB Flash               | PortA(I2C)×1<br>Extendable GPIO PINS              | 2 inch,<br>320×240 Colorful<br>TFT LCD, ILI9342C | /                 | /                      | /                         | /                       | X3     | 1W-0928                   | 110mAh     | BASIC Core x 1<br>BASIC Bottom x 1<br>Type-C USB Cable x1<br>DuPont Cable x10<br>User Manual x1   |
|    | ESP32-D0WDQ6  | 520KB RAM<br>16MB Flash              | PortA(I2C)×1<br>Extendable GPIO PINS              | 2 inch,<br>320×240 Colorful<br>TFT LCD, ILI9342C | MPU6886<br>BMM150 | /                      | /                         | /                       | X3     | 1W-0928                   | 110mAh     | GRAY Core x 1<br>GRAY Bottom x 1<br>Type-C USB Cable x1<br>DuPont Cable x10<br>User Manual x1   |
|    | ESP32-D0WDQ6  | 520KB RAM<br>16MB Flash<br>4MB PSRAM | PortA(I2C)×1<br>PortB(IO/ADC)×1<br>PortC(UART)×1  | 2 inch,<br>320×240 Colorful<br>TFT LCD, ILI9342C | MPU6886<br>BMM150 | MEMS Analog<br>BSE3729 | SK6812 3535<br>RGB LED×10 | /                       | X3     | 1W-0928                   | 500mAh     | FIRE Core x 1<br>M5GO Bottom x 1<br>M5GO Charge Basex1<br>Type-C USB Cable x1<br>LEGO Blocks x2<br>Allen Key x1<br>User Manual x1                       |
|    | ESP32-D0WDQ6  | 520KB RAM<br>16MB Flash              | PortA(I2C)×1<br>Extendable GPIO PINS              | 2 inch,<br>320×240 Colorful<br>TFT LCD, ILI9342C | MPU6886<br>BMM150 | /                      | /                         | /                       | X3     | 1W-0928                   | 500mAh     | GRAY Core x 1<br>Panels x 3(Keyboard、Gameboy、Calculator) FACES Bottom x 1<br>FACES Charge Basex1<br>Type-C USB Cable x1<br>User Manual x1               |
|    | ESP32-D0WDQ6  | 520KB RAM<br>16MB Flash              | PortA(I2C)×1<br>PortB(IO/ADC)×1<br>PortC(UART)×1  | 2 inch,<br>320×240 Colorful<br>TFT LCD, ILI9342C | MPU6886<br>BMM150 | MEMS Analog<br>BSE3729 | SK6812 3535<br>RGB LED×10 | /                       | X3     | 1W-0928                   | 500mAh     | M5GO Core x 1<br>M5GO Bottom x 1<br>M5GO Charge Basex1<br>Unit x1 (ENV)<br>CONNEXT Cable x1<br>Type-C USB Cable x1 User Manual x1                       |
|   | ESP32-D0WDQ6  | 520KB RAM<br>16MB Flash              | PortA(I2C)×1<br>PortB(IO/ADC)×1<br>PortC(UART)×1  | 2 inch,<br>320×240 Colorful<br>TFT LCD, ILI9342C | MPU6886<br>BMM150 | MEMS Analog<br>BSE3729 | SK6812 3535<br>RGB LED×10 | /                       | X3     | 1W-0928                   | 500mAh     | M5GO Core x 1<br>M5GO Bottom x 1<br>Unit x6 (ENV, RGB, IR, ANGLE, HUB, PIR)<br>CONNEXT Cable x4<br>LEGO Blocks x4<br>Type-C USB Cable x1 User Manual x1 |
|  | ESP32-D0WD    | 520KB RAM<br>4MB Flash               | Port(I2C/UART/GPIO)<br>×1                         | 1.3' OLED Screen<br>64×128                       | /                 | /                      | /                         | IR<br>Transmitter<br>x1 | X1     | Buzzer<br>(DET402-G-1)    | 80mAh      | M5Stick x 1<br>(white)<br>Type-C USB Cable x1   |
|  | ESP32-D0WD    | 520KB RAM<br>4MB Flash               | Port(I2C/UART/GPIO)<br>×1                         | 1.3' OLED Screen<br>64×128                       | MPU6886<br>BMM150 | /                      | /                         | IR<br>Transmitter<br>x1 | X1     | Buzzer<br>(DET402-G-1)    | 80mAh      | M5Stick x 1<br>(gray)<br>Wall/1515 x1<br>Brick x1<br>Watch Belt x1<br>Type-C USB Cable x1   |
|  | ESP32-PICO-D4 | 520KB RAM<br>4MB Flash               | Port(I2C/UART/GPIO)<br>×1<br>Extendable GPIO PINS | 0.96' TFT LCD<br>80×160                          | MPU6886           | SPM1423                | RED LED×1                 | IR<br>Transmitter<br>x1 | X2     | /                         | 95mAh      | M5StickC x 1<br>Type-C USB Cable x1<br>Watch Belt x1(Optional)<br>Wall/1515 x1(Optional)<br>HAT(ENV,SPK) (Optional)                                     |
|  | Kendryte K210 | 8M RAM<br>16MB Flash                 | Port(I2C/UART/GPIO)<br>×1                         | 1.14' TFT LCD<br>135×240                         | MPU6886           | /                      | RGBW LED×1                | /                       | X2     | 102828 Runway horn<br>K60 | 200mAh     | M5StickV x 1<br>Type-C USB Cable x1   |
|  | ESP32-PICO-D4 | 520KB RAM<br>4MB Flash               | Port(I2C/UART/GPIO)<br>×1<br>Extendable GPIO PINS | /  | /                 | /                      | WS2812<br>RGB LED×1       | IR<br>Transmitter<br>x1 | X2     | /                         | /          | 1x ATOM Lite  |
|  | ESP32-PICO-D4 | 520KB RAM<br>4MB Flash               | Port(I2C/UART/GPIO)<br>×1<br>Extendable GPIO PINS | WS2812 5x5 LED                                   | MPU6886           | /                      | /                         | IR<br>Transmitter<br>x1 | X2     | /                         | /          | 1x ATOM Matrix  |

| Device  | Chip          | RAM   FLASH                         | Interface                 | ImageSensor | Lens Type                              | PM IC  | Include   |
|---|---------------|-------------------------------------|---------------------------|-------------|--|--------|---|
|    | ESP32-D0WD    | 520KB RAM<br>4MB Flash              | Port(I2C/UART/GPIO)<br>x1 | OV2640      | Normal type<br>Field of View:65 Degree | IP5306 | ESP32 CAM x 1   |
|    | ESP32-D0WD    | 520KB RAM<br>4MB PSRAM<br>4MB Flash | Port(I2C/UART/GPIO)<br>x1 | OV2640      | Normal type<br>Field of View:65 Degree | TP4057 | M5Camera x 1<br>LEGO Accessories x 1<br>Type-C USB Cable x 1<br>User Manual<br>Wall/1515 x1 |
|    | ESP32-D0WD    | 520KB RAM<br>4MB Flash<br>4MB Flash | Port(I2C/UART/GPIO)<br>x1 | OV2640      | Fish Eye<br>Field of View:160 Degree   | TP4057 | M5CameraF x 1<br>LEGO Accessories x 1<br>Type-C USB Cable x 1<br>Wall/1515 x1               |
|   | ESP32-D0WD    | 520KB RAM<br>4MB PSRAM<br>4MB Flash | Port(I2C/UART/GPIO)<br>x1 | OV2640      | Normal type<br>Field of View:65 Degree | TP4057 | M5CameraX x 1<br>LEGO Accessories x 1<br>Type-C USB Cable x 1<br>Wall/1515 x1               |
|  | Kendryte K210 | 8M RAM<br>16MB Flash                | Port(I2C/UART/GPIO)<br>x1 | OV7740      | Normal type<br>Field of View:65 Degree | AXP192 | M5StickV x 1<br>Type-C USB Cable x1   |