

***Package na***

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# 123

## 123

### 123

#### 123

# esp32at报错

The following Python requirements are not satisfied:

pyserial>=3.0

future>=0.15.2

cryptography>=2.1.4

pyparsing>=2.0.3,<2.4.0

## 安装python2.7 window版本（废弃）

1､安装setup-tools

下载地址：https://pypi.python.org/pypi/setuptools

下载安装包，可以使用wget命令下载。下载及安装命令如下，

wget https://pypi.python.org/packages/45/29/8814bf414e7cd1031e1a3c8a4169218376e284ea2553cc0822a6ea1c2d78/setuptools-36.6.0.zip#md5=74663b15117d9a2cc5295d76011e6fd1

unzip setuptools-36.6.0.zip

cd setuptools-36.6.0

python setup.py install

2､Python2安装pip

下载地址：https://pypi.python.org/pypi/pip

可以使用wget命令下载。下载及安装命令如下，

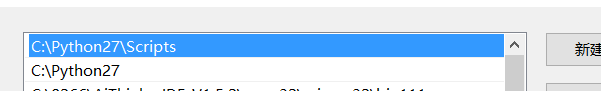
wget https://pypi.python.org/packages/11/b6/abcb525026a4be042b486df43905d6893fb04f05aac21c32c638e939e447/pip-9.0.1.tar.gz#md5=35f01da33009719497f01a4ba69d63c9

tar -zxvf pip-9.0.1.tar.gz

cd pip-9.0.1

python setup.py install

环境变量



## 安装python包

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| C:\Users\wanghao>pip install pyserial  Collecting pyserial  Cache entry deserialization failed, entry ignored  Cache entry deserialization failed, entry ignored  Downloading https://files.pythonhosted.org/packages/07/bc/587a445451b253b285629263eb51c2d8e9bcea4fc97826266d186f96f558/pyserial-3.5-py2.py3-none-any.whl (90kB)  100% |████████████████████████████████| 92kB 15kB/s  Installing collected packages: pyserial  Successfully installed pyserial-3.5  You are using pip version 9.0.1, however version 22.3.1 is available.  You should consider upgrading via the 'python -m pip install --upgrade pip' command.  C:\Users\wanghao>pip install future  Collecting future  Downloading https://files.pythonhosted.org/packages/45/0b/38b06fd9b92dc2b68d58b75f900e97884c45bedd2ff83203d933cf5851c9/future-0.18.2.tar.gz (829kB)  100% |████████████████████████████████| 829kB 13kB/s  Installing collected packages: future  Running setup.py install for future ... done  Successfully installed future-0.18.2  You are using pip version 9.0.1, however version 22.3.1 is available.  You should consider upgrading via the 'python -m pip install --upgrade pip' command.  C:\Users\wanghao>pip install cryptography  Collecting cryptography  Downloading https://files.pythonhosted.org/packages/1b/cf/e1875d5e6a15771f575569a44bbd00d4f2a86439aab8bd18c9013b747ccb/cryptography-3.3.2-cp27-cp27m-win\_amd64.whl (1.5MB)  100% |████████████████████████████████| 1.5MB 19kB/s  Collecting six>=1.4.1 (from cryptography)  Downloading https://files.pythonhosted.org/packages/d9/5a/e7c31adbe875f2abbb91bd84cf2dc52d792b5a01506781dbcf25c91daf11/six-1.16.0-py2.py3-none-any.whl  Collecting enum34; python\_version < "3" (from cryptography)  Downloading https://files.pythonhosted.org/packages/6f/2c/a9386903ece2ea85e9807e0e062174dc26fdce8b05f216d00491be29fad5/enum34-1.1.10-py2-none-any.whl  Collecting ipaddress; python\_version < "3" (from cryptography)  Downloading https://files.pythonhosted.org/packages/c2/f8/49697181b1651d8347d24c095ce46c7346c37335ddc7d255833e7cde674d/ipaddress-1.0.23-py2.py3-none-any.whl  Collecting cffi>=1.12 (from cryptography)  Downloading https://files.pythonhosted.org/packages/00/05/23a265a3db411b0bfb721bf7a116c7cecaf3eb37ebd48a6ea4dfb0a3244d/cffi-1.15.1-cp27-cp27m-win\_amd64.whl (172kB)  100% |████████████████████████████████| 174kB 19kB/s  Collecting pycparser (from cffi>=1.12->cryptography)  Downloading https://files.pythonhosted.org/packages/62/d5/5f610ebe421e85889f2e55e33b7f9a6795bd982198517d912eb1c76e1a53/pycparser-2.21-py2.py3-none-any.whl (118kB)  100% |████████████████████████████████| 122kB 26kB/s  Installing collected packages: six, enum34, ipaddress, pycparser, cffi, cryptography  Successfully installed cffi-1.15.1 cryptography-3.3.2 enum34-1.1.10 ipaddress-1.0.23 pycparser-2.21 six-1.16.0  You are using pip version 9.0.1, however version 22.3.1 is available.  You should consider upgrading via the 'python -m pip install --upgrade pip' command.  C:\Users\wanghao>pip install pyparsing==2.0.3  Collecting pyparsing==2.0.3  Cache entry deserialization failed, entry ignored  Downloading https://files.pythonhosted.org/packages/8f/f4/3a70b5e5b865b1ec45fe48dc5a57cd4facb5c7bd80e5cb1255c362732e81/pyparsing-2.0.3-py2.py3-none-any.whl  Installing collected packages: pyparsing  Successfully installed pyparsing-2.0.3 |

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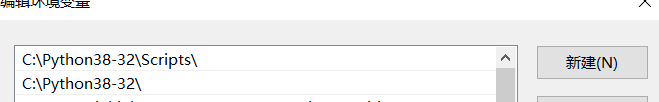
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## 安装python3.8

<https://cdn.modb.pro/db/437554>

问题解决

### 安装python环境包



pip查询要安装的包的所有版本

pip index versions [your python module name]

pyserial>=3.0

future>=0.15.2

cryptography>=2.1.4

pyparsing>=2.0.3,<2.4.0

pyelftools>=0.22

gdbgui==0.13.2.0

pygdbmi<=0.9.0.2

python-socketio<5

reedsolo>=1.5.3,<=1.5.4

bitstring>=3.1.6

ecdsa>=0.16.0

pip3 install pyserial future cryptography pyparsing==2.0.3 pyelftools==0.22 pygdbmi==0.9.0.2 reedsolo==1.5.4 bitstring==3.1.6 ecdsa==0.16.0

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| C:\Users\wanghao>pip3 install pyserial future cryptography pyparsing==2.0.3 pyelftools==0.22 pygdbmi==0.9.0.2 reedsolo==1.5.4 bitstring==3.1.6 ecdsa==0.16.0  Requirement already satisfied: pyserial in c:\python38-32\lib\site-packages (3.5)  Requirement already satisfied: future in c:\python38-32\lib\site-packages (0.18.2)  Collecting cryptography  Downloading cryptography-38.0.3-cp36-abi3-win32.whl (2.1 MB)  ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 2.1/2.1 MB 13.5 kB/s eta 0:00:00  Requirement already satisfied: pyparsing==2.0.3 in c:\python38-32\lib\site-packages (2.0.3)  Requirement already satisfied: pyelftools==0.22 in c:\python38-32\lib\site-packages (0.22)  Requirement already satisfied: pygdbmi==0.9.0.2 in c:\python38-32\lib\site-packages (0.9.0.2)  Requirement already satisfied: reedsolo==1.5.4 in c:\python38-32\lib\site-packages (1.5.4)  Requirement already satisfied: bitstring==3.1.6 in c:\python38-32\lib\site-packages (3.1.6)  Requirement already satisfied: ecdsa==0.16.0 in c:\python38-32\lib\site-packages (0.16.0)  Requirement already satisfied: six>=1.9.0 in c:\python38-32\lib\site-packages (from ecdsa==0.16.0) (1.16.0)  Requirement already satisfied: cffi>=1.12 in c:\python38-32\lib\site-packages (from cryptography) (1.15.1)  Requirement already satisfied: pycparser in c:\python38-32\lib\site-packages (from cffi>=1.12->cryptography) (2.21)  Installing collected packages: cryptography  Successfully installed cryptography-38.0.3 |

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| C:\Users\wanghao>pip3 index versions python-socketio  WARNING: pip index is currently an experimental command. It may be removed/changed in a future release without prior warning.  python-socketio (5.7.2)  Available versions: 5.7.2, 5.7.1, 5.7.0, 5.6.0, 5.5.2, 5.5.1, 5.5.0, 5.4.1, 5.4.0, 5.3.0, 5.2.1, 5.2.0, 5.1.0, 5.0.4, 5.0.3, 5.0.2, 5.0.1, 5.0.0, 4.6.1, 4.6.0, 4.5.1, 4.5.0, 4.4.0, 4.3.1, 4.3.0, 4.2.1, 4.2.0, 4.1.0, 4.0.3, 4.0.2, 4.0.1, 4.0.0, 3.1.2, 3.1.1, 3.1.0, 3.0.1, 3.0.0, 2.1.2, 2.1.1, 2.1.0, 2.0.0, 1.9.0, 1.8.4, 1.8.3, 1.8.2, 1.8.1, 1.8.0, 1.7.7, 1.7.6, 1.7.5, 1.7.4, 1.7.3, 1.7.2, 1.7.1, 1.7.0, 1.6.3, 1.6.2, 1.6.1, 1.6.0, 1.5.1, 1.5.0, 1.4.4, 1.4.3, 1.4.2, 1.4.1, 1.4, 1.3, 1.2, 1.1, 1.0, 0.9.2, 0.9.1, 0.9.0, 0.8.2, 0.8.1, 0.8.0, 0.7.0, 0.6.1, 0.6.0, 0.5.2, 0.5.1, 0.5.0, 0.4.2, 0.4.1, 0.4.0, 0.3.0, 0.2.0, 0.1.0  INSTALLED: 5.7.2  LATEST: 5.7.2 |

pip3 install python-socketio==4.6.0

安装完如上包后，出现如下错误：

module\_name WROOM-32

platform\_name=ESP32,module\_name=WROOM-32

The following Python requirements are not satisfied:

esp-windows-curses; sys\_platform == 'win32'

Please follow the instructions found in the "Set up the tools" section of ESP-IDF Getting Started Guide

Diagnostic information:

IDF\_PYTHON\_ENV\_PATH: (not set)

Python interpreter used: C:\Python38-32\python.exe

### 指定IDF\_PYTHON\_ENV\_PATH



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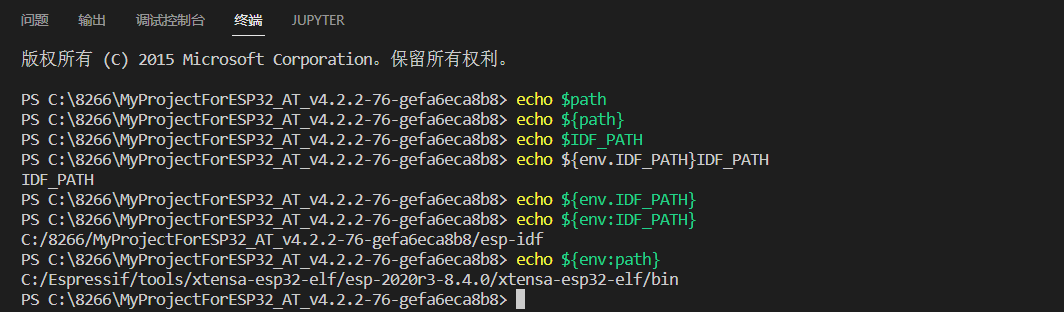
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# vscode指定环境变量

### vscode集成终端中设置环境变量

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| {  "editor.tabSize": 2,  "workbench.colorTheme": "Default Dark+",  "workbench.iconTheme": "vscode-icons",  //项目所在路径  // "PROJECT\_PATH": "C:/8266/MyProjectForESP32\_AT\_v4.2.2-76-gefa6eca8b8/my\_examples/my\_app\_main",  "PROJECT\_PATH": "C:/8266/MyProjectForESP32\_AT\_v4.2.2-76-gefa6eca8b8",  // "IDF\_PYTHON\_ENV\_PATH": "C:/Python38-32",  "COM\_NUM": "COM10",  "terminal.integrated.env.windows": {  "IDF\_PATH": "C:/8266/MyProjectForESP32\_AT\_v4.2.2-76-gefa6eca8b8/esp-idf",  "IDF\_PYTHON\_ENV\_PATH": "C:/Espressif/python\_env/idf4.2\_py3.8\_env",  "path": "C:/Espressif/tools/xtensa-esp32-elf/esp-2020r3-8.4.0/xtensa-esp32-elf/bin"  // C:\8266\MyProjectForESP32\_AT\_v4.2.2-76-gefa6eca8b8\esp-idf\tools  }, |



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| PS C:\8266\MyProjectForESP32\_AT\_v4.2.2-76-gefa6eca8b8> echo ${env:IDF\_PATH}  C:/8266/MyProjectForESP32\_AT\_v4.2.2-76-gefa6eca8b8/esp-idf  PS C:\8266\MyProjectForESP32\_AT\_v4.2.2-76-gefa6eca8b8> echo ${env:path}  C:/Espressif/tools/xtensa-esp32-elf/esp-2020r3-8.4.0/xtensa-esp32-elf/bin  PS C:\8266\MyProjectForESP32\_AT\_v4.2.2-76-gefa6eca8b8> |

设置windows的path环境变量，追加

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| "terminal.integrated.env.windows": {  "IDF\_PATH": "C:/8266/MyProjectForESP32\_AT\_v4.2.2-76-gefa6eca8b8/esp-idf",  "IDF\_PYTHON\_ENV\_PATH": "C:/Espressif/python\_env/idf4.2\_py3.8\_env",  "path": "${env:path};C:/Espressif/tools/xtensa-esp32-elf/esp-2020r3-8.4.0/xtensa-esp32-elf/bin",  // "PYTHONPATH":"${workspaceFolder};${env:PYTHONPATH}"  // "${workspaceFolder};${env:PYTHONPATH}"  }, |

可见这么设置已经成功

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| PS C:\8266\MyProjectForESP32\_AT\_v4.2.2-76-gefa6eca8b8> echo ${env:path}  C:\Espressif\tools\xtensa-esp32-elf\esp-2020r3-8.4.0\xtensa-esp32-elf\bin;C:\Espressif\tools\esp32ulp-elf\2.28.51-esp-20191205\esp32ulp-elf-binutils\bin;C:\Espressif\python\_env\idf4.2\_py3.8\_env\Scripts;C:\Espressif\python\_env\idf4.2\_py3.8\_env;C:\Python27\Scripts;C:\Python27;C:\8266\AiThinkerIDE\_V1.5.2\msys32\mingw32\bin111;C:\8266\AiThinkerIDE\_V1.5.2\msys32\opt\esp32\xtensa-esp32-elf-5.0\bin1;C:\8266\AiThinkerIDE\_V1.5.2\msys32\opt\esp8266\v5.2.0\_for\_3.0\bin;C:\8266\AiThinkerIDE\_V1.5.2\msys32\usr\bin;C:\8266\AiThinkerIDE\_V1.5.2\msys32\opt\esp8266\cmake\3.23.1\bin;C:\8266\AiThinkerIDE\_V1.5.2\msys32\opt\esp8266\ninja\1.10.2;C:\Program Files\PuTTY;C:\Program Files (x86)\PuTTY;C:\8266\AiThinkerIDE\_V1.5.2\msys32\opt\esp32\esp32ulp-elf-binutils\bin;C:\ProgramData\Oracle\Java\javapath;C:\windows\system32;C:\windows;C:\windows\System32\Wbem;C:\windows\System32\WindowsPowerShell\v1.0\;C:\Program Files\Java\jdk1.8.0\_151\bin;C:\Program Files\Java\jre1.8.0\_151\bin;\bin;\jre\bin;\tools;\platform-tools;C:\Program Files\Java\jdk1.8.0\_151\bin;C:\Program Files\Java\jdk1.8.0\_151\jre\bin;E:\adt-bundle-windows\sdk\tools;E:\adt-bundle-windows\sdk\platform-tools;C:\Program Files\Java\jdk1.8.0\_151\bin;C:\Program Files\Java\jdk1.8.0\_151\jre\bin;E:\adt-bundle-windows\sdk\tools;E:\adt-bundle-windows\sdk\platform-tools;C:\Program Files\Java\jdk1.8.0\_151\bin;C:\Program Files\Java\jdk1.8.0\_151\jre\bin;E:\3-Python\python3;C:\Program Files\Microsoft SQL Server\Client SDK\ODBC\110\Tools\Binn\;C:\Program Files (x86)\Microsoft SQL Server\120\Tools\Binn\;C:\Program Files\Microsoft SQL Server\120\Tools\Binn\;C:\Program Files\Microsoft SQL Server\120\DTS\Binn\;C:\Program Files (x86)\Windows Kits\8.1\Windows Performance Toolkit\;C:\Program Files\dotnet\;C:\Program Files\Git\cmd;C:\Program Files\mosquitto;C:\Program Files\mingw-w64\x86\_64-8.1.0-win32-seh-rt\_v6-rev0\mingw64\bin;C:\Users\汪浩\AppData\Local\Programs\Python\Python39\Scripts\;C:\Users\汪浩\AppData\Local\Programs\Python\Python39\;C:\Users\wanghao\AppData\Local\Programs\Microsoft VS Code\bin;C:\Program Files\mingw-w64\x86\_64-8.1.0-win32-seh-rt\_v6-rev0\mingw64\bin;C:/Espressif/tools/xtensa-esp32-elf/esp-2020r3-8.4.0/xtensa-esp32-elf/bin  PS C:\8266\MyProjectForESP32\_AT\_v4.2.2-76-gefa6eca8b8> |

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