

?

- [switch](#)
- 
- [2nV/√ Hz 120dB](#)
- [SDS800XHD](#)
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- [KICKPI K2B](#)
- [M40 cuda torch](#)

# switch??

██████████ [https://www.bilibili.com/video/BV16M411X79n/?share\\_source=copy\\_web](https://www.bilibili.com/video/BV16M411X79n/?share_source=copy_web)

██████ switch████ <https://docs.qq.com/doc/DVVFMWXRLQ096RXVG>

██████ V7████████████████████ 18██ .rar  
██ <https://pan.baidu.com/s/1RcmlxJ9z-9HnMFqvR2rmww?pwd=77h2>  
██ 77h2  
████████████████ APP █████

[SWITCH ██████████ \(16\).pdf](#)

[██████████](#)

???????

<https://www.msdmanuals.cn/home/children-s-health-issues/respiratory-disorders-in-infants-and-children/wheezing-in-infants-and-young-children>

呼吸音减弱或消失 (肺部 )

肺部听诊可闻及哮鸣音

肺部听诊可闻及湿啰音

肺部听诊可闻及哮鸣音

呼吸频率 <6

呼吸频率 1<sup>[4]</sup>

呼吸频率 40 /min 60

呼吸频率 70 /min 呼吸频率 呼吸频率

呼吸频率 92% 呼吸频率

呼吸频率 >180 200

/min

呼吸频率 X

PICU

PICU 呼吸频率

呼吸频率 40-44 /min 呼吸频率 30 /

呼吸频率 1-3 24 /min 4-7 22 /min 8-14 20 /

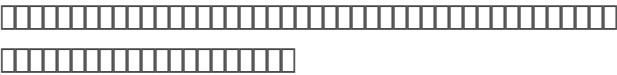
呼吸频率

呼吸频率 60 /

呼吸频率 50 /呼吸频率 1-5 40

呼吸频率 30 /min

- 呼吸频率 (肺部 ) 呼吸频率
- 呼吸频率
- 呼吸频率
- 呼吸频率 10



- **0-1** 30-60 /
- **1-12** 30-60 /
- **1-2** 24-40 /
- **3-5** 22-34 /
- **6-12** 18-30 /
- **13-18** 12-16 /
- **18** 12-20 /

???????? 2nV/? Hz??? 120dB  
????

<https://www.analog.com/en/resources/app-notes/an-159.html>

[an-159.pdf](#)

[AN159\\_Layout\\_Files.zip](#)

<https://www.analog.com/cn/resources/app-notes/an-940.html>

- <https://www.emoe.xyz/precision-circuits-hardware-design-guide/>
- EmoeNAP <https://rd.emoe.xyz/projects/EmoeNAP/emoenap.html#%E5%BA%95%E5%99%AA%E6%B5%8B%E8%AF%95>
- <https://www.emoe.xyz/noise-amplifier-step-further/>

# ???SDS800XHD??

????

<https://www.eet-china.com/mp/a307681.html>

<https://blog.csdn.net/GLSWN8829/article/details/135455736>

□□□□

- 1. □□□□ IP
- 2. □□□□ IP
- 3. SCPI□□□□
  - 1. “PRBD?” => □□□□□□
  - 2. “MD5\_SRLN?” => □□□□ SCOPEID
  - 3. “MD5\_PR?” => □□□□□□□□
  - 4. □□ SN
  - 5. □□ python□□□□□□ ID
  - 6. “MCBD?” => □□□□□□□□ ID□□□□ python□□□□□□ ID□□
  - 7. “MCBD FHJB3P8M93MGSYAV” => □□□□ MCBD□ 200M
  - 8. □□
  - 9. “PRBD?” => □□□□□□

## python??

```
# Keygen program for Siglent oscilloscopes
import hashlib

# □□MD5_SRLN? □□□□SCOPEID
# □□□□SCOPEID□□□□□□ID
SCOPEID = '01711d421d502545'

# □□□□SN□□□□□□□□
SN = 'SDS08A0Q809359'

# □□MD5_PR?□□□□□□□□
# □□□□Model □□□□□□□□
Model = 'SDS800X-HD'

bwopt = ('70M', '100M', '200M')
```

```

otheropt = ('AWG', 'MSO', 'PWA',)

# 000000 !!!

hashkey =
'5zao9lyua01pp7hjzm3orcq90mds63z6zi5kv7vmv3ih981vlwn06txnjdtas3u2wa8msx61i12ueh14t7kqwsfsgk032
nhyuy1d9vv2wm925rd18kih9xhkyilobbgy'

def gen(x):
    h = hashlib.md5((
        hashkey +
        (Model+'\n').ljust(32, '\x00') +
        opt.ljust(5, '\x00') +
        2*(((SCOPEID if opt in bwopt else SN) + '\n').ljust(32, '\x00')) +
        '\x00'*16).encode('ascii')
    ).digest()
    key = ''
    for b in h:
        if (b <= 0x2F or b > 0x39) and (b <= 0x60 or b > 0x7A):
            m = b % 0x24
            b = m + (0x57 if m > 9 else 0x30)
        if b == 0x30:
            b = 0x32
        if b == 0x31:
            b = 0x33
        if b == 0x6c:
            b = 0x6d
        if b == 0x6f:
            b = 0x70
        key += chr(b)
    return key.upper()

print('INFO: 0000000000000000 !!!' + '\r')
print('000000SCIP000000 "PRBD?" 00000' + '\r')
print('000000SCIP000000 "MCBD?" 000000' + '\r')
print('0000000000000000')
print('INFO: 0000000000000000000000000000 !!!')

print('-----')
print('0000000000SCIP00000000')
for opt in bwopt:

```

```
print('{:5} {}'.format(opt, gen(SCOPEID)))
```

```
print('-----')
```

```
print('UI')
```

```
print('SDS800XHD-FG   AWG')
```

```
print('SDS800XHD-16LA  MS0')
```

```
print('SDS800XHD-PA   PWA')
```

```
for opt in otheropt:
```

```
    print('{:5} {}'.format(opt, gen(SN)))
```

????

```
~/develop/witllm/unsuper master > python
```

```
SDS804XHD.py
```

colin@deve

```
INFO:  !!!
```

```
SCIP "PRBD?"
```

```
SCIP "MCBD?"
```

```
INFO:  !!!
```

```
SCIP
```

```
70M   3Y35BBM8S2P6M75F
```

```
100M  IRKBIJ522YX2PA9I
```

```
200M  FHJB3P8M93MGSYAV
```

```
UI
```

```
SDS800XHD-FG   AWG
```

```
SDS800XHD-16LA  MS0
```

```
SDS800XHD-PA   PWA
```

```
AWG   PGWGM3Y3PHY79UCA
```

```
MSO   PWRT8MV8FMWFPNMW
```

```
PWA   ZJKWUQ33MAPSPFIS
```



??/?

- 1. model3 90%
- 2. 100-30 80-30
- 3. 10% 40%
- 4. 60% 20% <40%
- 5. 10% 60

20%~80% 10% 90%

0°C ~ 45°C 15°C ~ 35°C

50%~60%

1~2

0°C 45°C

# KICKPI K2B ???????

1. sudo `vim` `/etc/wpa_supplicant.conf` `vim` `"` `"`

2. `ctrl_interface=/var/run/wpa_supplicant`  
`ap_scan=1`  
`update_config=1`

```
network={
    ssid="Liang"
    psk="wifil234"
    key_mgmt=WPA-PSK
}
```

3. `vim` `wpa_supplicant -D nl80211 -i wlan0 -c /etc/wpa_supplicant.conf -B` `vim`

1. `vim` `/var/run/wpa_supplicant`

2. `vim` `/var/run/wpa_supplicant/wlan0`

4. `vim` `dhclient wlan0` `vim` `wifi`

5. `vim` `vi /etc/network/interfaces` `vim`

6. `auto wlan0`  
`allow-hotplug wlan0`  
`iface wlan0 inet dhcp`  
`wpa-conf /etc/wpa_supplicant.conf`

# M40 ??cuda?torch

1. 检查 BIOS
  1. 检查 PCIE 4G 是否支持
2. 安装驱动
  1. `sudo add-apt-repository ppa:graphics-drivers/ppa`
  2. `sudo apt update`
  3. `sudo apt install nvidia-driver-550`
3. CUDA 11.8
  1. [https://developer.nvidia.com/cuda-11-8-0-download-archive?target\\_os=Linux&target\\_arch=x86\\_64&Distribution=Ubuntu&target\\_version=22.04&target\\_type=runfile\\_local](https://developer.nvidia.com/cuda-11-8-0-download-archive?target_os=Linux&target_arch=x86_64&Distribution=Ubuntu&target_version=22.04&target_type=runfile_local)
  2. `sudo sh cuda*`
4. Pytorch
  1. <https://pytorch.org/get-started/previous-versions/>
  2. `pip install torch==2.5.1 torchvision==0.20.1 torchaudio==2.5.1 --index-url https://download.pytorch.org/whl/cu118`