

# ???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 = '01711d421d502xxx'

# □□□□SN□□□□□□□□
SN = 'SDS08A0Q809xxx'

# □□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: 00000000000000000000000000 !!!')

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)))
```

????

```
master > python SDS804XHD.py  
INFO: !!!  
SCIP "PRBD?"  
SCIP "MCBD?"  
UI  
INFO: !!!  
-----  
SCIP  
70M  3Y35BBM8S2P6xxxx  
100M IRKBIJ522YX2xxxx  
200M FHJB3P8M93MGxxxx  
-----  
UI  
SDS800XHD-FG   AWG  
SDS800XHD-16LA  MS0  
SDS800XHD-PA   PWA  
AWG  PGWGM3Y3PHY7xxxx  
MSO  PWRT8MV8FMWFxxxx  
PWA  ZJKWUQ33MAPSxxxx
```

Revision #3  
Created 2025-01-11 09:47:58 UTC by Colin  
Updated 2026-04-29 07:34:08 UTC by Colin