
pyzk Documentation

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pyzk is an unofficial library of zksoftware the fingerprint attendance machine. It's easy to use and no need to understand how to communicate to device. Just create `ZK` instance and you will ready to use api.

CHAPTER 1

Installation

You can install from two different options

1. from pypi

```
$ pip install pyzk
```

2. from original repository

Go to <https://github.com/fananimi/pyzk> and clone the latest source code by using git, and then just execute the setup.py file.

```
$ python setup.py install
```


CHAPTER 2

Basic Usage

```
from zk import ZK, const

conn = None
zk = ZK('192.168.1.10', port=4370, timeout=5)
try:
    print 'Connecting to device ...'
    conn = zk.connect()
    print 'Disabling device ...'
    conn.disable_device()
    print 'Firmware Version: : {}'.format(conn.get_firmware_version())
    # print '--- Get User ---'
    users = conn.get_users()
    for user in users:
        privilege = 'User'
        if user.privilege == const.USER_ADMIN:
            privilege = 'Admin'

        print '- UID #{}'.format(user.uid)
        print '  Name       : {}'.format(user.name)
        print '  Privilege  : {}'.format(privilege)
        print '  Password   : {}'.format(user.password)
        print '  Group ID   : {}'.format(user.group_id)
        print '  User ID    : {}'.format(user.user_id)

    print "Voice Test ..."
    conn.test_voice()
    print 'Enabling device ...'
    conn.enable_device()
except Exception, e:
    print "Process terminate : {}".format(e)
finally:
    if conn:
        conn.disconnect()
```


CHAPTER 3

API Usage

Connect/Disconnect

```
conn = zk.connect()
conn.disconnect()
```

Disable/Enable Connected Device

```
conn.disable_device()
conn.enable_device()
```

Get Firmware Version

```
conn.get_firmware_version()
```

User Operation

```
# Create user
conn.set_user(uid=1, name='Fanani M. Ihsan', privilege=const.USER_ADMIN, password=
↳ '12345678', group_id='', user_id='123')
# Get all users (will return list of User object)
users = conn.get_users()
# Delete User
conn.delete_user(uid=1)
```

Attendance Record

```
# Get attendances (will return list of Attendance object)
attendances = conn.get_attendance()
# Clear attendances record
conn.clear_attendance()
```

Test voice

```
conn.test_voice()
```

Device Maintenance

```
# shutdown connected device
conn.power_off()
# restart connected device
conn.restart()
```

CHAPTER 4

Technical Documentation

We open to everyone for contribute in this project. Please refer [Communication_protocol_manual_CMD.pdf](#) before you starting write your code.

CHAPTER 5

Indices and tables

- `genindex`
- `modindex`
- `search`