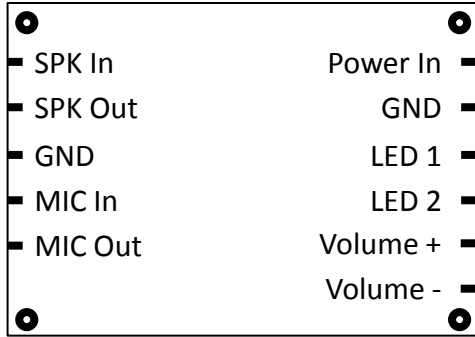


Module Solution

Analog Voice Encryptor



Utilization :

- ◆ SIP Phone
- ◆ Android Phone
- ◆ Satellite Phone
- ◆ Two-way radio
- ◆ Bluetooth Headset

Half business card size. Easy to be combined in each communication device.

Features

- Voice encryptor. Secure voice privacy
- Function : Encrypt MIC voice and decrypt speaker voice
- Encryption : After Power on, automatically exchange encryption keys. During key exchange, MIC and speaker line are occupied.
- Key transfer through voice signal.
- Encryption Key Complexity : 10^{14}
- Adjustable key complexity to fit different security requirements
- Randomly generate key at each power on. Secure each phone call.
- Built-in CPU, work independently
- Module-to-module communication. Work without other application / server / APP
- Working Status are indicated by LED 1 and LED 2 : being handshaking / pass authentication / error
- Power Off : Terminate power through Power In pin
- Power : 3.6V / 0.5A
- Dimension : 5*4.5*0.4 cm
- Actively run for 5.5 hours at 1200mAh
- Operating Temperature : 0~60 °C
- Ultra-low heat emission. Work without heat sink.
- Adjustable MIC/Speaker signal threshold to fit different communication device.
- Analog MIC/Speaker signal.
- No log of private and public key.
- Real random generator
- Configurable GPIO pins
- Easy combination : Trigger encrypting through Power Pin.
- Authentication duration : 17~25 sec

PIN	Description
SPK In	Speaker signal input
SPK Out	Decrypted speaker signal output
MIC In	MIC signal input
MIC Out	Encrypted MIC signal output
Power In	Typical 3.6V power in
LED 1	Blue LED power
LED 2	Red LED power
Volume +	Volume up speaker sound
Volume -	Volume down speaker sound