

As the leading wireless communication solution provider for both long range and wireless integrated (voice & data) communications, SENAO has developed the state-of-the-art Wireless IP Phone series, the world *first certified by the Wi-Fi® Alliance* in July, 2004, offering the fully featured IP Phone portfolio to fulfill needs of WITSP (Wireless IP Telephony Service Provider) · Carrier & SI while providing cost-effective, value-added & integrated services to their customers.

EnGenius/Senao's SI-680H is driven by a highly integrated System-on-a-Chip, a single chip specially designed for wireless VoIP handsets, enabling a complete phone design with very few external components. SI-680H, *a light, slim single piece design*, can provide higher performance, lower power consumption, smaller footprint, and lower overall cost than other solutions in the market today.



*** Subject to change without prior notice

2.4 GHz

802.11b

Technical Specifications

Network Features

Compatibility

WECA (Wi-Fi) Compliant
IEEE802.11b Compliant

Data Rates

11, 5.5, 2, 1Mbps
auto-fallback

Power Consumption

Typical
Talk : 340~450mA
Standby : <4.5mA
Maximum:
Talk : 340~450mA
Standby : <4mA

Regulation Certifications (Optional)

Wi-Fi
FCC Part 15/UL
ETSI 300/328/CE

Frequency Band

2.400~2.484 GHz

Media Access Protocol

Carrier Sense Multiple Access with
Collision Avoidance (CSMA/CA)

Modulation Technology

DSSS
(CCK, DBPSK, DQPSK)

Operating Channels

U.S: 11 (1 ~ 11)
Europe: 13 (1 ~ 13)
Japan: 14(1 ~ 14)
France: 4 (10 ~ 13)

Receive Sensitivity (Typical)

-90dBm @ 1Mbps
-80dBm @ 11Mbps

Output Transmit Power

20dBm (100mW)

Security

WEP 64/128bits
WPA-PSK

VoIP Protocol

SIP 2.0

RFC 3261 Conformant UA IP

Configuration

DHCP Client
Static IP

Call Features

Audio

G 711 A-law/ μ -law
G.729ab
G.726
G.723
Variable Jitter Buffer
Echo Cancellor

DTMF

In-band DTMF
Out-band DTMF

NAT Transversal

Outbound Proxy
STUN

Call Features

Call Hold
Call Waiting
Call Transfer (for SP-980)
Call Forward (for SP-980)
Instant Messaging (Conforming to the
SIMPLE standard)
Auto-Provision (for SP-980).

Phone Features

Management

MMI Configuration
Web Interface Configuration
Telnet Configuration
Upgrade Firmware via Web-browser or
FTP

Battery

Rechargeable Li-Ion 3.7V Battery
100+ Hours Standby Time
2.5 Hours Talk Time

MMI

Menu
Phone Book
Call History
WLAN Setting
SIP Setting
Key Lock
Speaker Volume
Vibrator On/Off
Ring Melody
SNTP Client Setting

Language

English
Japanese
Traditional Chinese
Others (Optional)

LCD

64x128 Graphical LCD

Accessories

Traveler Charger
Charger Cradle (Optional)

Physical

Dimensions (HxWxL)

125mm * 20mm * 44mm

Weight

98g with Battery

Environmental

Temperature Range

Operating :
0°C ~ 45°C (32°F to 131°F)
Storage :
-20°C to 70°C (-4°F to 140°F)

Humidity (non-condensing)

5%~95% Typical

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