



# AEI COMMUNICATIONS CORP.

1001 Broadway, Millbrae, California 94030

Direct: (415) 706-2907 ,Tel: (650) 552-9416

## SIP DECT Phone for Desktop/Bedside

Model: SGR-8206-SMK/SGR-8106-SMK

### 1. Esthetic Design

2015/01 v0.1

**SGR-8206-SMK**



**SGR-8106-SMK**



### 2. Features / Software Specifications

#### Handset

##### Keys

	<b>SGR-8206-SMK</b>	<b>SGR-8106-SMK</b>
• Dial keys	(0-9, *, #)	(0-9, *, #)
• Line keys	Line1, Line2, END	Line, END
• Function keys	Hold, Speaker, Volume, 6 speed dial keys	Mute, Speaker, Volume, 6 speed dial keys



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## SIP DECT Phone for Desktop/Bedside

**Model: SGR-8206-SMK/SGR-8106-SMK**

Phone Features	<ul style="list-style-type: none"> <li>One or Two Lines</li> <li>Call Hold and resume(SGR-8206-SMK only)</li> <li>Handset, Speaker, and Ringer volume control</li> <li>Full duplex speaker phone</li> </ul>	<ul style="list-style-type: none"> <li>6 programmable speed dials</li> <li>Mute and resume(SGR-8106-SMK only)</li> <li>Red color message waiting indicator for ringing, charging, and message waiting</li> </ul>
Display Contents	<ul style="list-style-type: none"> <li>Main logo</li> <li>Speed dial icon</li> <li>Battery status: power level, charging status</li> </ul>	<ul style="list-style-type: none"> <li>DECT signal status</li> <li>Line status</li> <li>Firmware Version</li> </ul>
DECT Standard	<ul style="list-style-type: none"> <li>DECT / CAT iq1.0 compatible</li> <li>Radio Frequency Range : 1880~1930 MHz</li> <li>EU : 1881.792(ch0)~1897.344(ch9) 10 Channels</li> <li>US : 1921.536(ch0)~1928.448(ch4) 5 Channels</li> <li>JP : 1895.616(ch0)~1902.528(ch4) 5 Channels</li> </ul>	<ul style="list-style-type: none"> <li>Channel Space : 1728 KHz</li> <li>Bit rate : 1150 Kbit/s</li> <li>Modulation : GFSK</li> <li>Voice coding : 16 Kbit/s</li> <li>RF power : 15 dBm</li> </ul>

### Base

Keys	SGR-8206-SMK	SGR-8106-SMK
	<ul style="list-style-type: none"> <li>Dial keys (0~9, *, #)</li> <li>Line keys Line1, Line2 with LED, END</li> <li>Function keys Hold, Speaker, Volume, 6 speed dial keys</li> </ul>	<ul style="list-style-type: none"> <li>(0~9, *, #)</li> <li>Line with LED, END</li> <li>Mute, Speaker, Volume, 6 speed dial keys</li> </ul>
Phone Features	<ul style="list-style-type: none"> <li>One or Two Lines</li> <li>Call Hold and resume(SGR-8206-SMK only)</li> <li>Speaker, and Ringer volume control</li> <li>Full duplex speaker phone</li> </ul>	<ul style="list-style-type: none"> <li>6 programmable speed dials</li> <li>Mute and resume(SGR-8106-SMK only)</li> <li>Red color message waiting indicator for ringing and message waiting</li> </ul>
Easy Administration	<ul style="list-style-type: none"> <li>Web GUI</li> <li>Auto provisioning via TFTP</li> <li>Firmware upgrade via TFTP</li> </ul>	
Codec	<ul style="list-style-type: none"> <li>G.711</li> </ul>	
Network Protocol	<ul style="list-style-type: none"> <li>HTTP server</li> <li>Static / DHCP IP assignment</li> <li>ToS / VLAN IEEE 802.1 p/q</li> </ul>	
SIP	<ul style="list-style-type: none"> <li>SIP V2 (RFC3261)</li> </ul>	
Security	<ul style="list-style-type: none"> <li>Web login authentication for web setup</li> <li>MD5 for SIP authentication (RFC 2069/ RDC2617)</li> </ul>	
DTMF	<ul style="list-style-type: none"> <li>In-Band / Out-of-Band DTMF(RFC2833) / SIP Info (RFC2976)</li> </ul>	
Voice Quality	<ul style="list-style-type: none"> <li>CNG: Comfortable noise generator</li> <li>Echo canceller: LEC / AEC</li> <li>Jitter buffer/PLC</li> </ul>	
Tones	<ul style="list-style-type: none"> <li>Ring back tone (local), Busy tone, Dial tone</li> </ul>	
DECT Standard	<ul style="list-style-type: none"> <li>DECT / CAT iq1.0 compatible</li> <li>Radio Frequency Range : 1880~1930 MHz</li> <li>EU : 1881.792(ch0)~1897.344(ch9) 10 Channels</li> <li>US : 1921.536(ch0)~1928.448(ch4) 5 Channels</li> <li>JP : 1895.616(ch0)~1902.528(ch4) 5 Channels</li> </ul>	<ul style="list-style-type: none"> <li>Channel Space : 1728 KHz</li> <li>Bit rate : 1150 Kbit/s</li> <li>Modulation : GFSK</li> <li>Voice coding : 16 Kbit/s</li> <li>RF power : 17 dBm</li> </ul>

### 3. Hardware Specifications

#### Handset

- |         |  |
|---------|--|
| Display | <ul style="list-style-type: none"> <li>1.8" TFT color display</li> </ul> |
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LED Indications	<ul style="list-style-type: none"> <li>• Message waiting indicator and keypad backlight</li> </ul>
Power	<ul style="list-style-type: none"> <li>• 3.7v / 900 mAh Li-ion battery</li> <li>• Charging Time : 5 hrs</li> <li>• Standby Time : 240 hrs</li> <li>• Talking Time: 9 hrs</li> </ul>
Contact pins	<ul style="list-style-type: none"> <li>• 3 contact pins for charging, hook detecting and auto-pairing</li> </ul>
Size and Weight	<ul style="list-style-type: none"> <li>• Dimensions: 175mm(L) x 50mm(W) x 24mm(H), Weight: 180g(battery included)</li> </ul>
<b>Base</b>	
LED Indications	<ul style="list-style-type: none"> <li>• Line keys, Hold/Mute, Speaker keys, Message waiting, and Handset charging indicators</li> </ul>
Power	<ul style="list-style-type: none"> <li>• PoE: IEEE 802.3af</li> <li>• <b>AC adaptor: Input: 100 ~ 240 VAC, Output: 6V / 1A (optional)</b></li> </ul>
Jacks	<ul style="list-style-type: none"> <li>• RJ45 10/100 Mbs; LAN port x 1, DC jack x 1</li> </ul>
Contact pins	<ul style="list-style-type: none"> <li>• 3 contact pins for charging, hook detecting and auto-pairing</li> </ul>
Ethernet cable	<ul style="list-style-type: none"> <li>• 9 feet x 1</li> </ul>
Size and Weight	<ul style="list-style-type: none"> <li>• Dimensions:193mm(L) x109mm(W) x 102mm(H), Weight: 450g</li> <li>• Dimensions:193mm(L) x109mm(W) x 111mm(H), Weight: 630g (handset included)</li> </ul>

### 4. Regulatory

	USA	EU
RF	FCC Part 15D	EN 301406
EMI	FCC Part 15B	
Safety		EN 60950-1
EMC		EN301489-11-6
RoHS	<ul style="list-style-type: none"> <li>• Comply with Directive 2002/95/EC RoHS (as amended by Commission Decision 2005/613/EC)</li> </ul>	
Temperature	<ul style="list-style-type: none"> <li>• <b>Storage:</b> Low Temperature at -10°C. High Temperature at +60°C</li> <li>• <b>Operating:</b> Low Temperature at 0°C. High Temperature at +40°C.</li> </ul>	