



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-SMKE/SGR-8106-SMKE

1. Esthetic Design

2015/01 v0.1



2. Features / Software Specifications

Handset

Keys

	SGR-8206-SMKE	SGR-8106-SMKE
• 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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Model: SGR-8206-SMKE/SGR-8106-SMKE

Phone Features	<ul style="list-style-type: none"> One or Two Lines Call Hold and resume(SGR-8206-SMKE only) Handset, Speaker, and Ringer volume control Full duplex speaker phone 	<ul style="list-style-type: none"> 6 programmable speed dials Mute and resume(SGR-8106-SMKE only) Red color message waiting indicator for ringing, charging, and message waiting
Display Contents	<ul style="list-style-type: none"> Main logo Speed dial icon Battery status: power level, charging status 	<ul style="list-style-type: none"> DECT signal status Line status Firmware Version
DECT Standard	<ul style="list-style-type: none"> DECT / CAT iq2.0 compatible Radio Frequency Range : 1880~1930 MHz EU : 1881.792(ch0)~1897.344(ch9) 10 Channels US : 1921.536(ch0)~1928.448(ch4) 5 Channels JP : 1895.616(ch0)~1902.528(ch4) 5 Channels 	<ul style="list-style-type: none"> Channel Space : 1728 KHz Bit rate : 1150 Kbit/s Modulation : GFSK Voice coding : 16 Kbit/s RF power : 15 dBm
Base		
Keys	<p>SGR-8206-SMKE</p> <ul style="list-style-type: none"> Dial keys (0~9, *, #) Line keys Line1, Line2 with LED, END Function keys Hold, Speaker, Volume, 6 speed dial keys 	<p>SGR-8106-SMKE</p> <ul style="list-style-type: none"> (0~9, *, #) Line with LED, END Mute, Speaker, Volume, 6 speed dial keys
Phone Features	<ul style="list-style-type: none"> One or Two Lines Call Hold and resume(SGR-8206-SMK only) Speaker, and Ringer volume control Full duplex speaker phone 	<ul style="list-style-type: none"> 6 programmable speed dials Mute and resume(SGR-8106-SMK only) Red color message waiting indicator for ringing and message waiting
Easy Administration	<ul style="list-style-type: none"> Web GUI Auto provisioning via TFTP Firmware upgrade via TFTP 	
Codec	<ul style="list-style-type: none"> G.711 	
Network Protocol	<ul style="list-style-type: none"> HTTP server Static / DHCP IP assignment ToS / VLAN IEEE 802.1 p/q 	
SIP	<ul style="list-style-type: none"> SIP V2 (RFC3261) 	
Security	<ul style="list-style-type: none"> Web login authentication for web setup MD5 for SIP authentication (RFC 2069/ RDC2617) 	
DTMF	<ul style="list-style-type: none"> In-Band / Out-of-Band DTMF(RFC2833) / SIP Info (RFC2976) 	
Voice Quality	<ul style="list-style-type: none"> CNG: Comfortable noise generator Echo canceller: LEC / AEC Jitter buffer/PLC 	
Tones	<ul style="list-style-type: none"> Ring back tone (local), Busy tone, Dial tone 	
DECT Standard	<ul style="list-style-type: none"> DECT / CAT iq2.0 compatible Radio Frequency Range : 1880~1930 MHz EU : 1881.792(ch0)~1897.344(ch9) 10 Channels US : 1921.536(ch0)~1928.448(ch4) 5 Channels JP : 1895.616(ch0)~1902.528(ch4) 5 Channels 	<ul style="list-style-type: none"> Channel Space : 1728 KHz Bit rate : 1150 Kbit/s Modulation : GFSK Voice coding : 16 Kbit/s RF power : 17 dBm

3. Hardware Specifications

Handset

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

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"> • Comply with Directive 2002/95/EC RoHS (as amended by Commission Decision 2005/613/EC) 	
Temperature	<ul style="list-style-type: none"> • Storage: Low Temperature at -10°C. High Temperature at +60°C • Operating: Low Temperature at 0°C. High Temperature at +40°C. 	