EnGenius

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FreeStyl™
Extreme Range Scalable Cordless Phone Systems

EnGenius FreeStyl Systems are scalable 900 MHz cordless phone systems designed to provide users with unparalleled wireless coverage over long distances and in complex, multi-floor environments. They combine a sleek design, robust and powerful technology, and an array of key features that make them perfect for use in offices and large home estates.

FreeStyl phones are ideal for businesses with employees who roam beyond the confines of their offices or cubicles. They are especially useful for expansive properties (farms, ranches, hotels, luxury estates) where owners or staff need to stay connected over extended distances.

FreeStyl is the perfect choice for users who do not require the durability of the DuraFon, and prefer a handset with a little more style.

Users may include:

- Large Home Estates
- Farms and Ranches
- Hotels / Motels

Key Features:

- Scalable: Supports up to 9 Handsets (Sold Separately; Add Anytime)
- High Power/Sensitivity for Extreme Wireless Range and Connectivity
- Outperforms: 1.9 (DECT), 2.4 & 5 GHz Solutions
- 2-Way Intercom
- Speakerphone
- Simultaneous Broadcast to Multiple Handsets from Any Handset
- Limited 1-year Warranty on Base and Handset
- Limited 90-day Warranty on Accessories

Extreme Range Coverage

Up to 100,000 sq. ft. of facility coverage; up to 6 floors in-building penetration, or 10 acres in open areas

Outperforms: 1.9 (DECT), 2.4 & 5 GHz Solutions

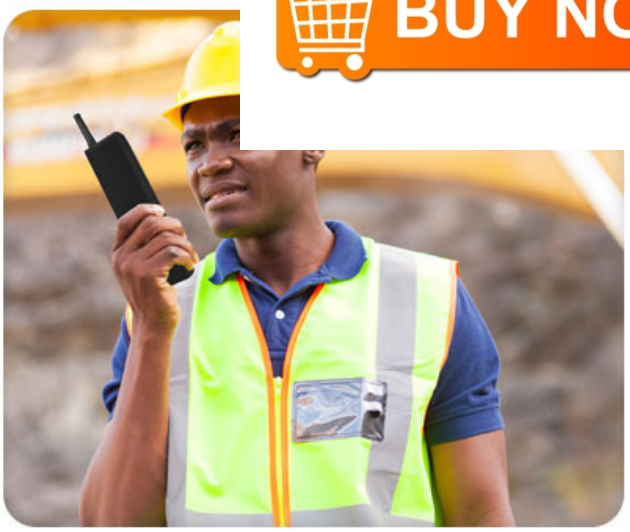
High power/high sensitivity coverage penetrates concrete, wood and drywall

Scalable System

Single-line one-line system is expandable to 9 total handsets

Versatile

FreeStyl phones incorporate speakerphone capability and 2-way radio/wireless intercom. The intercom is private and secure, and works as a two-way radio from handset-to-handset.



Business-Friendly Features

- Simultaneous broadcast to multiple handsets from any FreStyl handset
- Plug directly into a phone jack on the wall or the analog port of a PBX
- Option to operate as a standalone system or as a long-range cordless analog extension to a PBX phone system

No Recurring Costs

- No subscriber contracts (unlike cellular or 2-way radio licensing)
- No monthly service charges or fees (unlike cellular and phone companies)

FreeStyl System Features

Long-Range
6 Floors In-Building Penetration
100,000 sq. ft. of Facility Coverage
10 Acres of Property, Open Land Coverage

Handset Features
Telephone
2-Way Radio
900 MHz DSS, Frequency Hopping
Broadcast/Push-to-Talk
Call Hold
Call Logs: Dialed & Received
Call Transfer
Call Waiting
Caller ID
Headset Jack (2.5mm)
Intercom (Handset-to-Handset, No Group Chatter)
Keypad Lock
Message Waiting Indicator (FreeStyl1)
Mute
Phone Book/Speed Dial: 50 Entries
Redial

Handset Features continued
Selectable Handset Grouping (7 Groups)
Silent Ring
Speakerphone
User Handset Naming
User-Programmable PBX Functions (9 per Handset)
Vibrate Mode

Ports
PBX Compatible
PTSN (RJ11) Ports: 2 (1 telephone, 1 line)

Call Features
Ring Group/Hunt Group Support
Conference Calling
Modifiable Flash and DTMF Timing
Base Station Speakerphone (FreeStyl1)
Base Station Dialing/Speed Dial (FreeStyl1)
Base Station Intercom/Broadcast to Handset (FreeStyl1)

Configuration
Talk Paths: 1
Supported Handsets per Base: 9
Total Handsets Supported: 9
Concurrent Calls per Handset: 1
Simultaneous Calls per Base Unit: 1

Battery and Charger
Li-Ion technology
Hours of Talk Time, 4 hrs.
Hours of Stand-By Time, 50 hrs.
Hours Recharge Time 3

Optional Equipment
Spare Battery FreeStyl 1: Freestyl1-BA FreeStyl 2: FreeStyl2-BA
Base Antenna Kit: Outdoor: SN-UL-AK20L Indoor: SN-UL-AK20L-IND
Lightning Protection Kit: SN-ULTRA-LPK
Antenna Splitter Kit: SN-ULTRA-AS

Technical Specifications

Physical Specifications	FreeStyl 1 Base	FreeStyl 1 Handset	FreeStyl 2 Base	FreeStyl 2 Handset
Buttons	Reset	Left & Right soft keys	Page (handset locator)/ Registration	Left & Right soft keys
	Registration	Broadcast	Reset	Broadcast
	Transfer	Up/Down		Up/Down
	Memory	Caller ID/Hold		Caller ID/Hold
	Hold	Talk/Flash		Talk/Flash
	Flash	End/Power		End/Power
	Redial	0 – 9, #		0 – 9, #
	Broadcast	Speakerphone		Speakerphone
	Power	Intercom		Intercom
	In Use			
	Volume Up/Down			
	Intercom/Broadcast			
Jack(s)	DC	Headset (2.5 mm)	DC	Headset (2.5 mm)
	Phone	DC in (on charger)	Phone	DC in (on charger)
	Line		Line	
LED Indicators	Broadcast, Power, In-use, Mute, VM Indicator	N/A	Power (blue)	N/A
			In-use (white)	

Electrical Specifications	FreeStyl 1 Base	FreeStyl 1 Handset	FreeStyl 2 Base	FreeStyl 2 Handset
Frequency	Intercom	902-928 MHz	902-928 MHz	902-928 MHz
RF Power	Peak - 27 dBm ; Average - 21 dBm	Peak - 26 dBm ; Average - 20 dBm	Peak - 27 dBm ; Average - 21 dBm	Peak - 26 dBm ; Average - 20 dBm
Channel Spacing	101 kHz	101 kHz	101 kHz	101 kHz
Number of Channels	252	252	252	252
Modulation	Differentially Encoded MSK	Differentially Encoded MSK	Differentially Encoded MSK	Differentially Encoded MSK
Multiple Access	Frequency Hopping TDD	Frequency Hopping TDD	Frequency Hopping TDD	Frequency Hopping TDD
Frequency Hopping Rate	100 per second	100 per second	100 per second	100 per second
TDMA Frame Length	10 ms	10 ms	10 ms	10 ms
Number of Talk Paths	1	1	1	1
Receiver Sensitivity	< -111 dBm (@ BER 10-2)	< -111 dBm (@ BER 10-2)	< -111 dBm (@ BER 10-2)	< -111 dBm (@ BER 10-2)
Antenna Connector	Reverse Thread TNC	Proprietary	Reverse Thread TNC	Proprietary
Antenna Gain	2 dBi	1.5 dBi (short antenna);	2 dBi	1.5 dBi (short antenna);
TX Power Control Range	400 mW	100 – 400 mW	400 mW	100 – 400 mW
Telephone Interface	RJ11 x2	N/A	RJ11 x2	N/A
Speech Coding	8 kbps G.729A	8 kbps G.729A	8 kbps G.729A	8 kbps G.729A
Channel Coding	8 kbps Convolutional+CRC	8 kbps Convolutional+CRC	8 kbps Convolutional+CRC	8 kbps Convolutional+CRC
Transmission Data Rate	85.333 kbps	85.333 kbps	85.333 kbps	85.333 kbps
User Data Rate	64 kbps duplex	64 kbps duplex	64 kbps duplex	64 kbps duplex

Technical Specifications continued

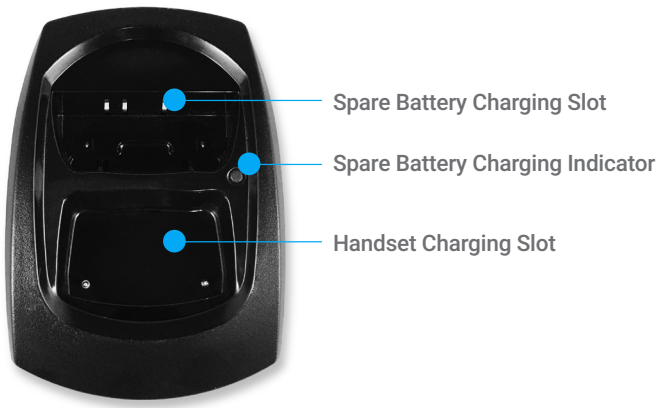
Electrical Specifications	FreeStyl 1 Base	FreeStyl 1 Handset	FreeStyl 2	
Duplex	Time Division Duplex (TDD)	Time Division Duplex (TDD)	Time Division Du	
Voice Quality	TIA/EIA-470B	TIA/EIA-470B	TIA/EIA-470B	TIA/EIA-470B
Number of System ID	65,536	65,536	65,536	65,536
Ring Signal	20-50 Hz, 30–90 Vrms	N/A	20-50 Hz, 30–90 Vrms	N/A
Auto-Attendant Coding	N/A	N/A	N/A	N/A
Flash Time	100-900 ms programmable	N/A	100-900 ms programmable	N/A
Power Source	AC / DC 100-240V 12V/1A Adapter	1100mA / 3.7V Li-ion Battery Pack	AC / DC 100-240V 5V/1A Adapter	1100mA / 3.7V Li-ion Battery Pack
Charge Time	N/A	3 hours (from empty)	N/A	3 hours (from empty)
Charge Current	N/A	550 mA (850 mA for spare battery slot)	N/A	550/850 mA (charging cradle)
Battery Talk & Standby Time	N/A	~ 4 hours/50 hours	N/A	~ 4 hours/50 hours
Environmental Specifications	**FreeStyl 1 Base**	**FreeStyl 1 Handset**	**FreeStyl 2 Base**	**FreeStyl 2 Handset**
Regulatory Approval	USA: FCC Part 15, Part 168 Canada: IC	USA: FCC Part 15, Part 168 Canada: IC	USA: FCC Part 15, Part 168 Canada: IC	USA: FCC Part 15, Part 168 Canada: IC
Operating Temperature	32°F – 122°F (0°C – 50°C)	14°F – 140°F (-10°C – 60°C)	32°F – 122°F (0°C – 50°C)	14°F – 140°F (-10°C – 60°C)
Storage Temperature	-40°F – 158°F (-40°C – 70°C)	-40°F – 158°F (-40°C – 70°C)	-40°F – 158°F (-40°C – 70°C)	-40°F – 158°F (-40°C – 70°C)
Humidity	20 – 75 %	20 – 75 %	20 – 75 %	20 – 75 %
IP Rating	N/A	N/A	N/A	N/A
Dimensions	7.1" x 6.3" x 3.5" (188 x 161 x 42 mm)	7.4 x 2.3 x 1.2" (161 x 58 x 31 mm)	5.48" x 5.05" x 1.35" (139 x 128 x 34 mm)	7.64" x 1.83" x 1.31" (194.05 x 46.59 x 33.35mm)
Device Weight	0.93 lbs (424 g)	0.39 lb (175 g)	0.6 lbs. (275g)	0.34 lbs. (156g) incl. battery

Packaging

	FreeStyl 1	FreeStyl 1 Handset	FreeStyl 2	FreeStyl 2 Handset
Description	Extreme Range Scalable Cordless Phone System	FreeStyl 1 Expansion Handset	Extreme Range Scalable Cordless Phone System	FreeStyl 2 Expansion Handset
Master Carton				
Quantity	6	6	6	6
Weight	17.1 lbs.	9.2 lbs.	16.4 lbs.	9.3 lbs.
Dimensions (inches)	19" x 14" x 12"	18" x 13" x 10"	19" x 14" x 12"	18" x 13" x 10"
Dimensions (cm)	48.3 x 35.6 x 30.5 cm	45.7 x 33 x 25.4 cm	48.3 x 35.6 x 30.5 cm	45.7 x 33 x 25.4 cm
Individual SKU Contents				
1-Line Base Station	X (handset charger built-in)	N/A	X	N/A
Base AC Adapter	X	N/A	X	N/A
Base Antenna	X	N/A	X	N/A
Handset	X	X	X	X
Handset Antenna	X	X	X	X
Handset Battery Pack	X	X	X	X
Desktop Handset Charger	N/A	X	X	X
Desktop Charger AC Adapter	N/A	X	X	X
User's Manual	Online	Online	Online	Online
Handset Belt Clip	N/A	N/A	X	X

FreeStyl1 Handset

FreeStyl1 Handset Charger



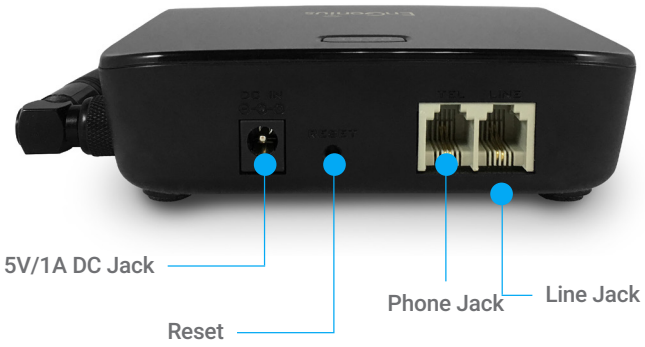
FreeStyl1 Base Station

BUY NOW

FreeStyl2 Handset

FreeStyl2 Handset Charger

FreeStyl2 Base Station



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference, the user is encouraged to try to correct the interference, see User Manual for additional information. Base Station: This equipment complies with FCC radiation exposure limits and should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Handset: This equipment complies with FCC radiation exposure limits. End users must follow the specific operating instructions for satisfying RF exposure compliance, to do this, please follow operation instruction as documented in the User Manual. This device complies with RSS-210 of the Industry Canada Rules and with IC radiation exposure limits.

EnGenius Technologies | 1580 Scenic Ave. Costa Mesa, CA 92626
Email: partners@engeniustech.com | Website: engeniustech.com

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