



Single Carrier Hanging Waterproof Repeater

SIS8400 Series

- Support PDT/DMR/MPT
- Adjustable power
- IP54 waterproof and dust-proof
- Exclusive lightning protection function
- Support IP connection to monitor the hanging base station
- Double the user capacity under digital mode
- Support smooth switching of four operation modes
- Through one knob to adjust all the working parameters

Operation Mode Switch

Support PDT digital trunking, PDT digital conventional, DMR Tier I , DMR Tier II, MPT1327 analog trunking, analog conventional these 6 operation modes.

Lightning Protection Function

Lightning protection function could minimize the possibility of getting struck by lightning to some extent

IP54 Waterproof and Dust-proof

Could be installed in hostile environment and outdoors.

Adjustable Transmitting Power

Transmitting power 0-13 W could be adjusted instantly.

Lightness and Reliable Frame

Small size, light weight, adopts fully aluminum alloy material with rugged mechanism.



One Knob Setting Options

Digital/Analog

Conventional/Trunking

Communication Frequency/Power Control

Setting of Squelch Threshold

Setting of Color Code

SIS8400 Series Product Specifications

General

Operating Frequency Range	136-174MHz; 350-400MHz; 400-470MHz	Channel Spacing	12.5kHz/25kHz
Multi-Access Method	TDMA	Duplex Spacing	5M~10MHz
Modulation	4FSK/FFSK/FM	Successive Data Speed (per carrier)	9.6kbps
Carrier Frequency Error	≤ 100Hz	Weight (Without Antenna)	4.6Kg
Storage Humidity	<80%	Operating Humidity	20% ~ 80%
Storage Temperature	-40℃ ~ 85℃	Operating Temperature	-30℃ ~ 60℃
Dimensions (HxWxD)	310X210X130(mm)		

Receiver

Sensitivity (5%BER) (Digital)			
Stastic Sensitivity	-120dBm	Dynamic Sensitivity	-115dBm
Sensitivity(12dB SINAD) (Analog)	-117dBm		
Adjacent Channel Selectivity	-65dB@ 12.5KHz/-70dB@25KHz	Maximum Signal Rx Level	-7dBm
Co-channel Rejection	12dB	Blocking	84dB
Inter-modulation	70dB	Spurious Response Rejection	70dB
Conducted Spurious Emission	-57dBm		

Transmitter

Frequency Stability	±0.1ppm
RF Output Power	0~13W
Maximum Output Power Tolerance	±1.5dB(Typical)/+2/-3dB(extreme)
Adjacent Channel Power	-65dB@ 12.5KHz/-70dB@25KHz
Conducted/Radiated Interference(Antenna)	9kHz~1GHz ≤ -36dBm 1GHz~12.75GHz ≤ -30dBm
Conducted/Radiated Interference(Antenna)	30MHz~1GHz ≤ -36dBm 1GHz~12.75GHz ≤ -30dBm
Inter-modulation Attenuation	≤ -60dB@ 12.5KHz ≤ -70dB@25KHz
Transient Switch ACPR	±12.5kHz ≤ -50dB ±25kHz ≤ -60dB

Optional Accessories

Outdoor Antenna / Installation Fastener / Solar Panel

Samhoo reserves the right to improve and change the product specifications, appearance and design, without prior notice. Accessories supply have different due to the market, please contact the local agents to any inquire. The pictures are only for reference, please refer to the actual products.

SHENZHEN SAMHOO SCI&TECH Co.,LTD.

Add:Room 401, Building 2, Huaqiangyun Industrial Park, Meixiu Road, Meilin, Futian District, Shenzhen, China

Tel:+86-755-8316 0260 Fax:+86-755-8226 3733

E-mail:sales@samhoo.com.cn Web:www.samhoo-pmr.com



FC C E RoHS CTA MIL-STD

ISO9001:2008&ISO14001:2004



key member of ETSI DMR and PDT

Samhoo is trademark or registered trademark of SHENZHEN SAMHOO SCI & TECH CO.,LTD. in the PRC and/or other countries or areas.Samhoo retains the ownership of its trademarks and product names.Copyright © 2013 SHENZHEN SAMHOO SCI & TECH CO.,LTD.All Rights Reserved.