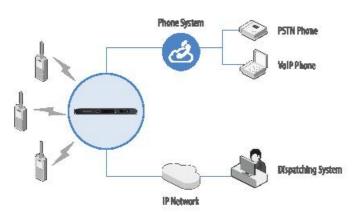
GENERAL SOLUTIONS

Hytera offers a wide range of solutions to enrich functionality for the HR106X series repeater. Dispatching system, a back-to-back solution for cross-band communication. Additionally the open API of HR106X can also be provided for third party development to realize customization requirements.



Rezible Interconnection

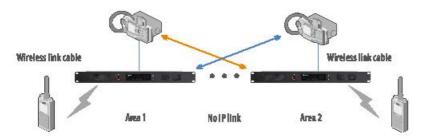
The HR106X series repeater is designed as an intelligent communication platform. It is flexible in its ability to connect with a variety of systems to provide seamless communication. Hytera can provide inter-system Communication connections to SIP Phones and Dispatching systems,





Wireless Link Communication

The wireless link communication is applicable for forests, highway, and other areas where the wired network is difficult to be deployed. With the help of Hytera mobile radios MD785i or HM785 it is possible to establish wireless connections between two systems when there is no IP link.



ACCESSORIES











External Duplexer

Back-to-Back Cable



Backup Cable POA147



Programming Cable PC37

SPECIFICATIONS

General .			
Frequency Range		UHF: 400-470MHz VHF: 136-174MHz	
Charmel Capacity		64	
Channel Spacing		12.5KHz/20KHz/25KHz	
Operating Voltage		DC: 13.6V±15% AC: 100-240V	
Current Consumption(DC)		Standby: ≤0.9A Transmitting: ≤12A	
Current Consumption(AC)		Standby: s0.35A Thursmitting: s1.2A	
Frequency Stability		≤±0.5ppm	
Antenna Impedance		50Ω	
Duty Cycle		100%	
Dimensions(HxWhd2)		44x453x366 mm	
Weight		5.8kg	
Networking		Conventional Mode "Digital Trunking Lite; "Simulcast	
		*mortial features are coming soon.	
Receiver			
Sensitivity	Analog	0.18µA(12dB SINAD) 0.16µA(Typical)(12dB SINAD)	
	Digital	D.2LV/8ER596 D.10LV(TypicaC)/8ER596	
Selectivity	TIA-603	65dB@12.5kHz/75dB@20/25kHz	
	ETSI	60dB@11.5kHz/70dB@20/15kHz	
Inter-Modulation	TIA-603	75d8@12.5/20/25idtz	
	ETSI	70dB@12.5/20/25idtz	
Spurious Respurse Rejection	TIA-603	R0dR@12.5/20/25ldtz	
	ETSI	80dB@12,5/20/25ld1z	
Blocking		90dB	
Urm and Malan		40d8@12.5idiz:	

0F D	manus Is a 11 s			
RF Power Output	5-50W(adjustable)			
FM Modulation	11K0F3E @12.5kd 14K0F3E @ 20kd	tç ç 16KOF3E@25kHz	i.	
4FSK Digital Modulation	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Volce: 7K60FXW			
	Operating	≤1GHz	-36dBm	
Conducted/		>1 GHz	-30dBm	
Radiated Emission	Standby	≰1GHz	-57dBm	
		>1GHz	-47dBm	
Modulation Limiting	±2.5kHz @ 12.5kHz;±4.0kHz @ 20kHz; ±5.0kHz @ 25kHz			
FM Hum & Noise	40dB @ 12.5kHz; 43dB @ 20kHz 45dB @ 25kHz			
Adjacent Channel Power	60dB @ 12.5kHz; 70dB @ 20/25kHz			
Audia Response	+13dB			
Audio Distortion	≤3%			
Digital Vocoder Type	AMB5+2 ^m			
Digital Protocol	ETSH\$102361-1,/2,/3			
Environmental Specification	ons			
Operating Temperature	-30°C~+60°C			
Storage Temperature	-40°C~+85°C			

All Specifications are tested according to applicable standards, and subject to change without notice due to continuous development.



Hytera Communications Corporation Limited Stock Code: 002583.5Z

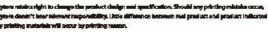
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Tel: +86-755-2697 2999 Fanc +86-755-8613 7139 Poet: 518057 Http://www.hyters.com marksting@hyters.com









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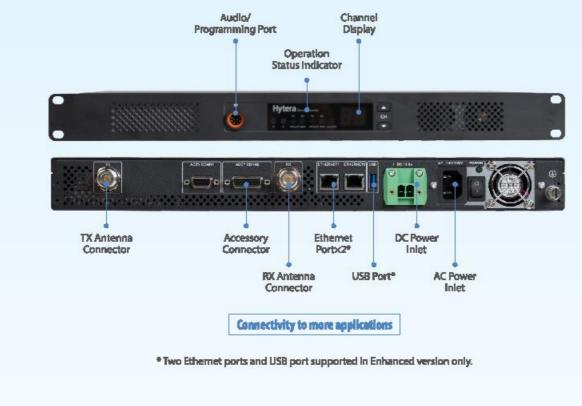
EMPOWER YOUR OPERATION HR106X NEXT GENERATION DIGITAL REPEATER DMR





EMPOWER YOUR OPERATION

Nowadays, different kinds of challenges come to us, whether in public safety, public utilities or commercial industry, we all have a lot of pressure to handle our day to day tasks. For better safety and efficiency throughout your organization, instant communication is one of the most important requirements. To ensure that your voice and data communication can reach everyone and everywhere, Hytera provides the HR106X series repeater, which represents the next generation digital repeater, to meet your demands for communication coverage and delivering reliable and high-performance radio network services.



SMOOTH MIGRATION WITH YOUR BUSINESS GROWING

Your communication needs are always growing together with the business expansion. As your business expands your communication needs grow too. As the organisation becomes larger with more employees you will need to upgrade your communication system to increase capacity and ensure continued working efficiency.

The HR106X series repeaters can be compatible with most Hytera system types: Analog and Digital Conventional modes, XPT, Conventional Simulcast and DMR Tier 3 DS-6211. Whether you want to migrate from analog to digital, or switch to a large capacity trunking system, the HR106X series repeaters can be unlocked by firmware upgrade and a chargeable license. Simple, Smooth, and Cost-effective.

GENERAL HIGHLIGHTS



Economical 10 Structure

The 1U height of the HR106X series makes it compact, thus reducing space requirements for installation.



AC/DC Auto Swit

The HR106X series supports both AC and DC input and AC/DC auto switching.



Wide Coverage

The communication range of HR106X series is extended with enhanced Rx sensitivity. And the Ethernet port enables access to IP networks, which provides the capability for the HR106X to connect everyone and everywhere.



Analog & Digital Auto Switch

The HR106X series can support mixed channel mode to detect the receiving signal, then automatically switch between analog and digital mode. This offers an easy way to migrate to digital from analog.

ENHANCED VERSION HIGHLIGHTS

The HR106X series repeater offers standard version and an enhanced version. Both versions support all the general features, while the Enhanced version adopts a built-in co-processor board to enable more advanced features. This offers more options for users to choose according to their actual needs.

"The standard version can be easily upgraded to enhanced version with an add-on co-processor module board.



Outstanding Performance

The enhanced version of HR106X adopts an add-on quad-core 1.6GHz co-processor and 2G RAM for fast processing speed, which can process the services faster and integrate more applications.



lab Integration

The enhanced version of HR106X is integrated with router and SIP gateway features. Less devices and simplified management. It offers a cost-effective solution for your network construction.



Convenient Management

In the enhanced version a web-based back end platform has been designed to simplify repeater management. Configuration, upgrade and real-time diagnosis can all be completed through a web browser, which is ideal for remote management.



Hiigh Securi

The enhanced version of HR106X also adopts SNMP3.0 technology to enhance communication security. All your data is fully protected during the communication.

