Hytera
XPT Digital Trunking

No Dedicated Control Channel

Higher Capacity

Easy Migration

Cost effective

What is XPT ?

XPT (Extended Pseudo Trunk) is a scalable, single-site digital trunking solution that allows you to cost-effectively increase the capacity by simply upgrading the current RD982i-S repeater. Connecting to a larger number of users with voice and data has never been easier. XPT complements the best two-way radio using the latest digital technology designed with you in mind to meet your growing communications needs.

XPT will now allow multiple users from various departments faster access to the system to handle urgent requests which increases productivity, enhances customer service and provides better dispatching to security personnel responding to emergencies.

This powerful, cost-saving and ease-of-upgrade XPT is to bring about a bright and original future in various industries. With it, the airport and seaport are able to handle more shipments with higher efficiency; with it, warehouse managers able to playback the voice recording; with it, hotel customers able to use the room telephone to call housekeeper's radio directly.

Better Channel Utilization

Based on the XPT protocol, the channels for voice and data can be extended up to 16 with mere software upgrade. Each channel can be customized to transmit voice and data or transmit data only.

No Dedicated Control Channel

There is no control channel in XPT and no license required for continuous transmitting. All channels can be used as traffic channel.

Versatile Features and Better Performance

Abundant features are available including dispatching, voice recording*, PABX interconnection* and network management in the XPT system.
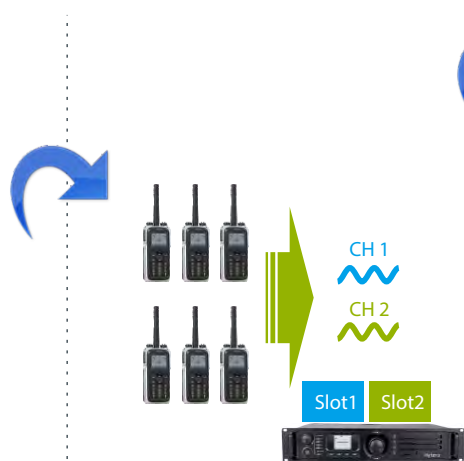
Hytera Digital Solution Architectures

TDMA 2 time slot

Pseudo Trunk

XPT Digital Trunking System

Slot1　Slot2

CH 1
CH 2

Slot1　Slot2

2 channels sharing pool

CH 7
CH 8

Slot1　Slot2

CH 5
CH 6

Slot1　Slot2

CH 3
CH 4

Slot1　Slot2

CH 1
CH 2

Slot1　Slot2

IP LAN

Multiple channels sharing pool

Technical Advantages

- Without dedicated control channel.
- Large capacity, 8 carriers, 16 communication channels.
- Cost effective, fast deployment, easy configuration.
  Simple infrastructure with only repeater and IP switch.
  Upgrade RD982i-S firmware with license to enable XPT feature.

Fault Tolerance

LAN Switch Fail

- Each repeater starts working as a two-channel trunking system.

Repeater Fail

- One repeater fails, the system remains operational with the rest repeaters.

Key Features

Voice call	Supplementary call	Advanced features	Data operation	Dispatcher features
• Private call	• Alert call	• Scan	• TMS	• RRS/GPS
• Group call	• Remote monitor	• Access limitation	• RRS/GPS	• OTAP
• All call	• Radio enable/disable	• Interference detection*	• Quick GPS*	• PSTN/PABX*
• Emergency call	• Radio check	• Fault tolerance	• Dedicated data revert*	• Voice recording*
• Polite access	• Emergency alarm	• RDAC		
• Telephone call*		• Encryption*		
		• Roaming*		

Note: Items with * will be released in XPT R2.0

XPT Ready Products

Type	Model	Frequency
Repeater	RD982i-S	UHF1: 400-470MHz; UHF2: 450-520MHz UHF3: 350-400MHz; VHF: 136-174MHz
Terminal	PD602i/PD662i/PD682i	UHF: 400-527MHz; VHF: 136-174MHz
	PD702i/PD782i	UHF1: 400-470MHz; UHF2: 450-520MHz UHF3: 350-400MHz; VHF: 136-174MHz
	MD652i	UHF1: 400-470MHz; UHF2: 450-520MHz; VHF: 136-174MHz
	MD782i	UHF1: 400-470MHz; UHF2: 450-520MHz UHF3: 350-400MHz; VHF: 136-174MHz
	X1ei/X1pi	UHF1: 400-470MHz; UHF2: 450-520MHz UHF3: 350-400MHz; VHF: 136-174MHz
	PD792i- Ex	UHF: 400-470MHz

Hytera

Respond & Achieve