



XPT Digital Trunking

Trunked radio solution for professional mobile radio

The XPT is a hugely cost-efficient, and easily expandable mobile radio solution from Hytera, based on proven repeater technology. Based on the conventional DMR mobile radio, Hytera developed XPT as a distributed trunked radio system, without central system controller node for demanding users.



Mobile radio system

XPT Digital Trunking

Trunked radio



Highlights of XPT

No control channel – optimized channel utilisation

Compared to a traditional trunked radio system, Hytera XPT does not require control channels so all available radio channels can be utilised for communication. Channels selection is managed by the mobile radio infrastructure, this means that manual channel selection is no longer required. Open channels are automatically determined for call requests. This allows Hytera XPT to combine the advantages of pseudo trunking on DMR Tier II with the increased channel efficiency of a trunked radio system

Simple expansion, flexible networking

The individual repeaters in the XPT system are connected with each other via an IP network. As a result, apart from XPT repeaters, you will need only IP switches, routers and an antenna connection suitable for your aims in order to set up the mobile radio system. No dedicated system controller hardware is required since calls are set up centrally in the XPT system.

If your requirements for your radio system should change, the XPT enables you to quickly respond, in order to increase your channel capacity. To do so, you need only expand the repeater site using additional repeaters, and connecting them to your IP network.

Simple changeover to XPT

Are you already using conventional DMR radio from Hytera (DMR Tier II)? Then you are well prepared! Your existing RD985s repeaters can be changed over to XPT without any complications via a licence upgrade. This keeps your investment safe, and means purchasing new radios is not necessary. With the exception of the PD3 and PD4 series terminals, all Hytera DMR radios support XPT operation

Capacities

One XPT site can consist of up to 8 voice repeaters (providing up to 16 communication channels) and up to 8 dedicated data repeaters. Up to 16 sites can be connected together to provide wide area coverage.





Functions of XPT

- Voice calls (individual, group and emergency call)
- Priority Interrupt for Voice & Emergency Calls
- Data services (GPS, RRS, text message)
- Dispatcher functions via Hytera SmartOne
- Real time positioning via GPS of all GPS-ready terminals

- Enabling/disabling of mobile radios
- XPT Network Management System for remote monitoring and administration of the RD985s repeaters
- Available in UHF and VHF

Hytera trunked radio solution XPT

Pseudo trunking

XPT trunked radio solution



Our product portfolio for XPT

Hytera offers you a complete portfolio for your XPT mobile radio system. From infrastructure via mobile radios, to applications, you are free to compile your own individual solution.



PD5 Series

PD6 Series

PD7 Series

PD9 Series

X1 Series



MD785 and MD655



SmartOne Dispatch



RD985s

Type	Model	Frequency
Repeater	RD985s	UHF1: 400 - 470 MHz; UHF2: 450 - 520 MHz; VHF: 136 - 174 MHz
Radios	PD505 PD565	UHF: 400 - 470 MHz VHF: 136 - 174 MHz
	PD605 PD665 PD685	UHF: 400 - 527 MHz; VHF: 136 - 174 MHz
	PD705 PD755 PD785	UHF1: 400 - 470 MHz; UHF2: 450 - 520 MHz; VHF: 136 - 174
	PD715Ex PD795 Ex	UHF: 400 - 470 MHz VHF: 136 - 174 MHz
	PD985	UHF: 350 - 527 MHz VHF: 136 - 174 MHz
	X1e X1p	UHF1: 400 - 470 MHz; UHF2: 450 - 520 MHz; VHF: 136 - 174 MHz
	MD655 MD785	UHF1: 400 - 470 MHz; UHF2: 450 - 520 MHz; VHF: 136 - 174 MHz

Your Hytera partner:



Further information can be found at:

www.hytera.co.uk

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Encryption features are optional and have to be configured separately. They are also subject to European export regulations.

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