XPT Digital Trunking
Trunked radio solution for professional mobile radio

Hytera XPT is a 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.

www.hytera-mobilfunk.com
Mobile radio system

XPT Digital Trunking
Trunked radio

Highlights of XPT

No control channel – optimized channel utilization
In contrast to the classic trunked radio, Hytera XPT does not use any control channels. All available radio channels are utilized for the communication. On top of that, all channels are managed by the mobile radio infrastructure. The benefit: A manual channel selection at the radio is no longer required. Open channels are automatically determined for call requests. This allows Hytera XPT to combine the advantages of DMR Tier II with the mobile radio properties of state-of-the-art and powerful trunked radio systems.

Simple expansion, flexible networking
The individual repeaters in the XPT system are connected with each other via an IP network. As a result, besides the XPT repeaters, you only need IP switches and an antenna connection suitable for your purposes in order to set up your mobile radio system. PC hardware is not required for the mobile radio system since calls are set up decentrally in the XPT system. No central system controller node is required.

If your requirements for your professional mobile radio should change, it enables you to quickly respond in order to increase your mobile radio capacity. To do so, you only have to expand your repeater site by additional repeaters and connect 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 DMR mobile stations and RD985s repeaters can be changed over to XPT without any complications via a license upgrade. This keeps your investment safe and you do not have to purchase new radios.

Capacities
One XPT cell can consist of up to 8 repeaters, thereby providing up to 16 communication channels.
Functions of XPT (selection)

- Voice calls (individual, group and emergency call)
- Data services (GPS, short data message, status message)
- Dispatcher functions via Hytera SmartDispatch
- Position detection via GPS of all GPS-ready mobile radios
- Enabling/disabling of mobile radios
- Network management system for administering the mobile radio system
- Available in UHF and VHF

Hytera trunked radio solution XPT

TDMA-2 timeslots  Pseudo trunking  XPT trunked radio solution

2 channels sharing pool  Multiple channels sharing pool
Our product portfolio for XPT

Hytera offers you a complete portfolio for your XPT mobile radio system: From infrastructure via mobile radios up to applications – you can compile your individual solution.

<table>
<thead>
<tr>
<th>Type</th>
<th>Model</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repeater</td>
<td>RD985s</td>
<td>UHF: 400 - 470 MHz; UHF2: 450 - 520 MHz; VHF: 136 - 174 MHz</td>
</tr>
<tr>
<td>Radios</td>
<td>PD605</td>
<td>UHF: 400 - 527 MHz; VHF: 136 - 174 MHz</td>
</tr>
<tr>
<td></td>
<td>PD665</td>
<td>UHF: 400 - 527 MHz; VHF: 136 - 174 MHz</td>
</tr>
<tr>
<td></td>
<td>PD685</td>
<td>UHF: 400 - 527 MHz; VHF: 136 - 174 MHz</td>
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<tr>
<td></td>
<td>PD705</td>
<td>UHF: 400 - 470 MHz; UHF2: 450 - 520 MHz; VHF: 136 - 174 MHz</td>
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<tr>
<td></td>
<td>PD785</td>
<td>UHF: 400 - 470 MHz; UHF2: 450 - 520 MHz; VHF: 136 - 174 MHz</td>
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<tr>
<td></td>
<td>PD795 Ex</td>
<td>UHF: 400 - 470 MHz</td>
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<tr>
<td></td>
<td>X1e</td>
<td>UHF: 400 - 470 MHz; UHF2: 450 - 520 MHz; VHF: 136 - 174 MHz</td>
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<td>X1p</td>
<td>UHF: 400 - 470 MHz; UHF2: 450 - 520 MHz; VHF: 136 - 174 MHz</td>
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<td>MD655</td>
<td>UHF: 400 - 470 MHz; UHF2: 450 - 520 MHz; VHF: 136 - 174 MHz</td>
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<tr>
<td></td>
<td>MD785</td>
<td>UHF: 400 - 470 MHz; UHF2: 450 - 520 MHz; VHF: 136 - 174 MHz</td>
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Further information can be found at: www.hytera-mobilfunk.com

Contact us if you are interested in sales, distribution or application partnership: info@hytera.de

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