2+4 Narrowband & Broadband Digital Trunking Solution
In addition to the basic voice and data services, the 2+4 solution provides converged applications, such as visual dispatching and commanding, multimedia trunking, high-definition mobile video transmission, and mobile office. It integrates the basic voice service, big data, and video services, mobile office, enables flexible video applications, changes the information collection mode from fixed to mobile, and upgrades the dispatch system from the isolated one to the interconnected one, thus substantially improving the work efficiency of private network users.

The "2+4" digital trunking solution complies with the DMR and LTE standards, and follows the design principles of safe and reliable network architecture, open interfaces, and smooth evolution. It implements DMR and LTE converged dispatching, converged services, converged networking, and converged terminals.

### Technologies

#### DMR and LTE Converged Networking
- Provides coordinated dispatching and unified command, DMR/LTE Trunking hybrid grouping and hybrid calls on the basis of DMR and LTE converged network.

#### Enhanced coverage
- The DMR system provides seamless coverage in urban areas to ensure the communication services and emergency handling. The LTE system fully supports Mobile Policing, Video Transmission, and Visual Command in important places and key passes.

#### Wireless Broadband
- The LTE provides a data rate of up to 100Mbps in the downlink and 50Mbps in the uplink. The signaling delay is shorter than 100ms, which ensures the fast issuing of commands. The LTE is a perfect solution to the problem of last-mile broadband data access.

### Highlights

#### Safe and Reliable
- Provides end-to-end encryption and easy access to policing information system.
- The 2+4 system has been deployed world-wide commercially, satisfying the requirements of interoperability with other systems.

#### Smooth evolution
- Based on SDR platform, the system is analog and digital compatible, and can smoothly evolve towards LTE, hence protecting the customer's investment.

#### Leading-edge Technology
- The system supports Multi-carrier modulation technique, a single unit can support up to 4 RF carriers; digital intermediate frequency technique combined with an external RF unit, community covering distances up to double than before. DPD + Doherty industry-leading technologies improve amplifier efficiency resulting in 80% less power consumption.

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### Customer Needs

As challenges are getting increasingly complicated, it is a general trend to introduce broadband technologies to satisfy the requirements of professional users in the public safety, transportation, energy and public utility.
**“2+4” End-to-end Products**

### Core Networks

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<tr>
<th>Unified CN</th>
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<tr>
<td>ZXTS eTC1000</td>
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<td>ZXTS eTC500</td>
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<td>ZXTS eTC200</td>
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<td>ZXTS eTC10</td>
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### Base Stations

#### BBU

- ZXSDR B8200
- ZXSDR B8300
- ZXIMCU Pt01

#### LTE RRU

- ZXSDR R8968
- ZXSDR R8972(E)

#### DMR RRU

- ZXSDR R8881

### Terminal

- PH700
- PH790
- PM790
- GH880
- GH650
- GM655
- USB Dongle
- GD100
- GP500
- IndoorCPE
- OutdoorCPE

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**Emergency Command Vehicle**

The Emergency Command Vehicle of ZTE integrates multi-mode communications system to build a powerful command and dispatching platform, which supports abundant multimedia services.

The system is widely used in the scenes of fire, earthquake, major events and other occasions where a temporary emergency dispatching platform needs to be set up rapidly.

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**Portable Emergency Command System**

Featuring small size, light weight, rich service, and high integration, ZTE Portable Emergency Command System supports video/voice trunking call (PTT), HD video Transmission, video conference, video distribution, image upload and distribution.

The system is widely used in the scenes of fire, earthquake and emergency response to provide a multimedia command and dispatching platform.