

# ZXTS eTC 500

## DMR Core Network

As an important component of the DMR system, ZXTS eTC 500 consists of four parts: PTT Dispatch Server (PDS), PTT Home Register (PHR), Dispatch Agent Server (DAS), and PTT Application Server (PAS). It supports all the trunking and dispatch services and carrier-class authentication and authorization for the trunking service.

- **Excellent Performance** compatible with MPT/DMR/LTE system, supports hybrid grouping
- **Professional Trunking** Push-To-Talk with call setup time less than 250ms
- **High Reliability** ATCA platform, hardware/element disaster toleration, hot-swappable boards
- **Enhanced Security** end-to-end encryption, two-way authentication, air-interface encryption, VPN, IPSec
- **Easy Maintenance** client/server architecture, multi-level authorization, centralized management through EMS
- **Good Scalability** modular design, capacity expansion supported with the growth of user number



## Functions

● MPT / DMR /LTE	● Network-wide recording
● DMR/LTE trunking services	● Secondary development interface
● LTE data functions	● Supporting pSIP interface
● DMR and LTE hybrid grouping and call	● Remote disaster recovery

## Specifications

Dimensions ( H x W x D )	219 mm × 482 mm × 390 mm
Weight	≤ 29.3 kg
Power Supply	-48V DC / 220V AC
Power Consumption	≤ 1055 W
Operating Temperature	-5 °C ~ + 45 °C
Call Setup Time	< 250 ms
Voice Delay	< 350 ms
Maximum Number of Trunking Users	50000
Maximum Number of Group Users	5000
Maximum Number of BS	512
Maximum Number of Operations and Maintenance Centers	100
Maximum Number of PSTN and PABX ( Way / Gateway )	30 ( 1 × E1 )
Dust and Water Intrusion	IP20

