

ZXTS eTC 500

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 300ms
- **High Reliability** ATCA platform, hardware / element disaster toleration, hot-swappable boards
- **Enhanced Security** end-to-end encryption, two-way authentication, air-interface encryption
- **Easy Maintenance** client / server architecture, multi-level authorization, centralized management
- **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

Size (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	< 300 ms
Voice Delay	< 350 ms
Number of Trunking Users	100,000
Number of Group Users	up to 10,000
Number of BS	256
Number of PSTN and PABX (Way / Gateway)	30 (1 × E1)



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