

DMR Core Network

ZXTS eTC 220

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- Completely proprietary intellectual property rights
 - Open interfaces
 - Optimized signaling and data links for trunking services
 - High-performance network processors
 - High-speed internal data forwarding bus
 - Support host and backup, disaster recovery, high reliability
 - Comply with DMR Tier II and Tier III Standards
 - Standard Rack Cabinets Installation
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Functions

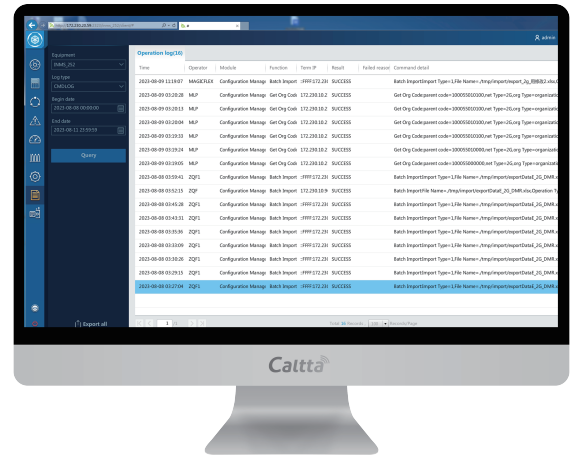
Basic Functions	Private Call, Group Call, Emergency Call, Broadcast Call, All Call, Resource Pre-emption, Subscriber Pre-emption, Floor Pre-emption, Calls Within Specified base stations, Call Duration Restriction, Speaker Identity Identification, Speaker Alias, Call Right Restriction, Late Entry, Group Call Incorporation, Short Message, Status Message, Handover
Dispatching Functions	Private Call, Group Call, Emergency Call, Broadcast Call, Peripherals Initiate Call, All Call, Short Message, Status Message, Emergency Alarm, Full Network SMS, Link Group, Dynamic Group, Forced Release & Forced Insert, Remote Revive/Stun/Kill Mobile Terminal, Positioning, Geo Fence, Activate Call List
Mobility Management	Registration and Deregistration, Talkgroup attachment, Authentication, Roaming
Interconnection	Interconnection With PSTN, Interconnection With B-TrunC, Interconnection With eChat PoC Interconnection With MDS
Other Functions	OTAP, Geographical Redundancy, AES 256 bits End to End Encryption (E2EE)

Specifications

Dimensions(Hx Wx D)	87.5mmx440mmx650mm
Weight	<45kg
Power Supply	100~240V AC
Power Consumption	<850W
Call Setup Time	<300ms
Voice Delay	<350ms
Number of Trunking Users	200,000
Number of BS	512
Number of Dispatch Console	512
Number of PSTN and PABX	60 (2xE1)

Network management system

- Operation Management
- Topology management
- Device management
- Alarm management
- Performance management
- Report statistics
- OTAP
- Subscriber Management
- Version Management
- Security and Administration Management

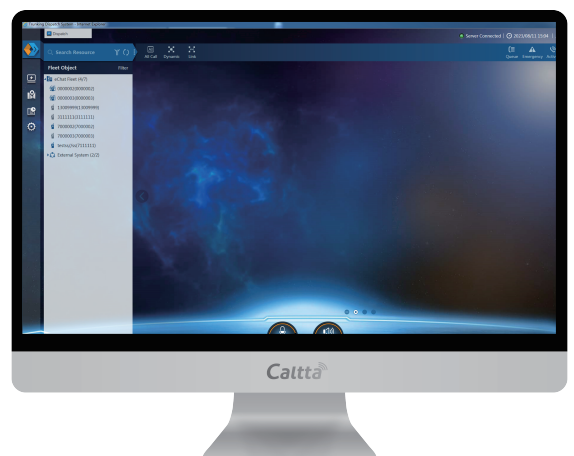


Specifications

Hardware	
Server	eTC 220
Client	DELL desktop: Optiplex Tower Plus 7010, Core i7 CPU, 2*8G_DDR4 2666Mhz RAM, 1TB Hard Disk, 512 GB SSD, and original windows operating system DELL display: P2722H, 1920*1080 60Hz, 1*VGA+1*DP+1*HDMI/USB Port
Performance Index	
Number of NMS Clients	Maximum 100, Authorization Required
Alarm Data Storage Duration	Maximum 3 Years
Performance Data Storage Duration	Maximum 3 Years
Log Data Storage Duration	Maximum 3 Years

Dispatching System

- Private Call
- Group Call
- Emergency Call
- Broadcast Call
- Peripherals Initiate Call
- All Call
- Short Message
- Status Message
- Data Long SMS
- Dynamic Group
- Activate Call List
- Forced Release&Forced Insert
- Ambient/Discreet Listening
- Remote Revive/Stun/Kill Mobile Terminal
- Dispatcher Initiates GPS Positioning
- Track Playback
- Network Positioning
- Geo Fence



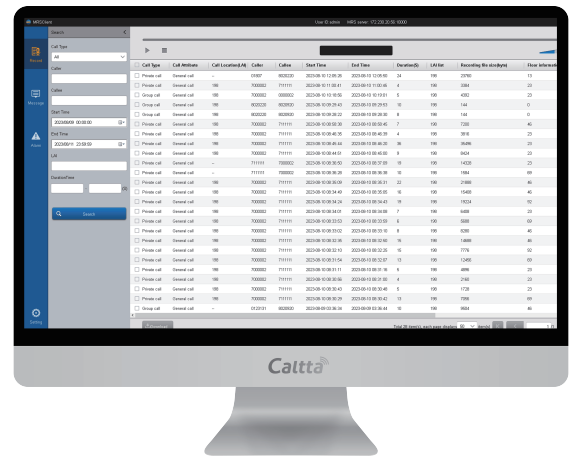
Specifications

The hardware is the same as the network management system

Performance Index	
Number of dispatching desk clients	Maximum 512, authorization required
Number of dispatchable users	200,000
Number of dispatchable groups	≥ 6000
Client	DELL desktop: Optiplex Tower Plus 7010, Core i7 CPU, 2*8G_DDR4 2666Mhz RAM, 1TB Hard Disk, 512 GB SSD, and original windows operating system DELL display: P2722H, 1920*1080 60Hz, 1*VGA+1*DP+1*HDMI/USB Port

Recording system

- Automatically record all calls in the system.
- Record all short messages and status messages sent by the system.
- The client provides query function. It supports combined query according to the calling number, called number, start and end time, call duration and other conditions.
- The client provides the function of recording and playback, playing audio files and synchronously displaying speaker information.



Specifications

Performance Index	
Recording storage duration	The default duration is 2 months, and the maximum is 10 years (if the traffic is large, you need to add extra hard disk)
Number of concurrent recording channels	Maximum concurrent 2000 channels

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