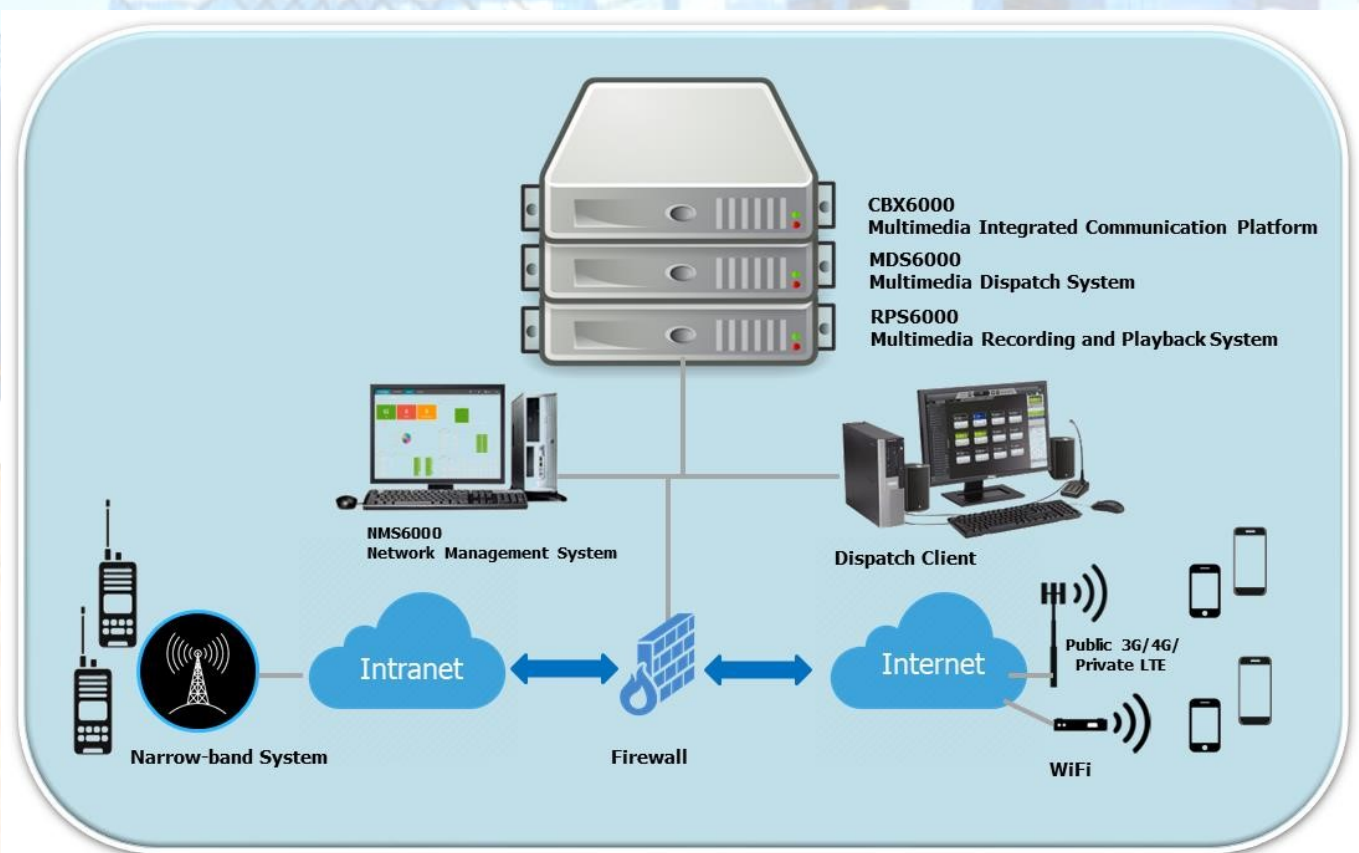


CBX6000

Multimedia Integrated Communication Platform



CBX6000 Multimedia Integrated Communication Platform provides the leading Multimedia Push-to-Talk (MPTT) integrated solution build on Push-to-Talk over Cellular (PoC) network system and LTE supporting voice, video and data communications with between LTE, Radio communication and Wi-Fi to ensure 'always available' mission critical communications. It supports various wireless access modes (such as public network 3G/4G, Wi-Fi, Broadband Private Network, etc.). VoIP (Voice over Internet Protocol) technology is used to provide services, which can quickly realize private or individual and group voice services. In addition to the basic voice/video/data services, it can also provide configuration of mobile users which is the critical part if the system is deployed with the large number of users.



Integrated Solution

Crosscom integrated solutions include CBX6000 Multimedia Integrated Communication Platform, MDS6000 Multimedia Dispatch System, RPS6000 Multimedia Recording and Playback System, NMS6000 Network Management System (NMS) and Dispatch Client. The system can deploy on LTE private network and LTE public network to support the integration with Narrow-band System. Crosscom can also provide users with customized integrated solutions, making user management easier, more efficient and safer.

Functional Features and Application

Mobility Management

- Registration/De-registration
- Authentication

Data Services

- Individual text message
- Group text message
- Individual multimedia message
- Storage and forwarding
- Status message
- GPS positioning
- Terminal location transmission
- GPS retransmission

Dispatch Services

- Broadcast call
- Stun/revive
- Interrupt & override
- Subscription
- Listening
- Locating
- Video push
- Video forwarding
- Video pull
- Voice & video recording
- Dynamic regrouping

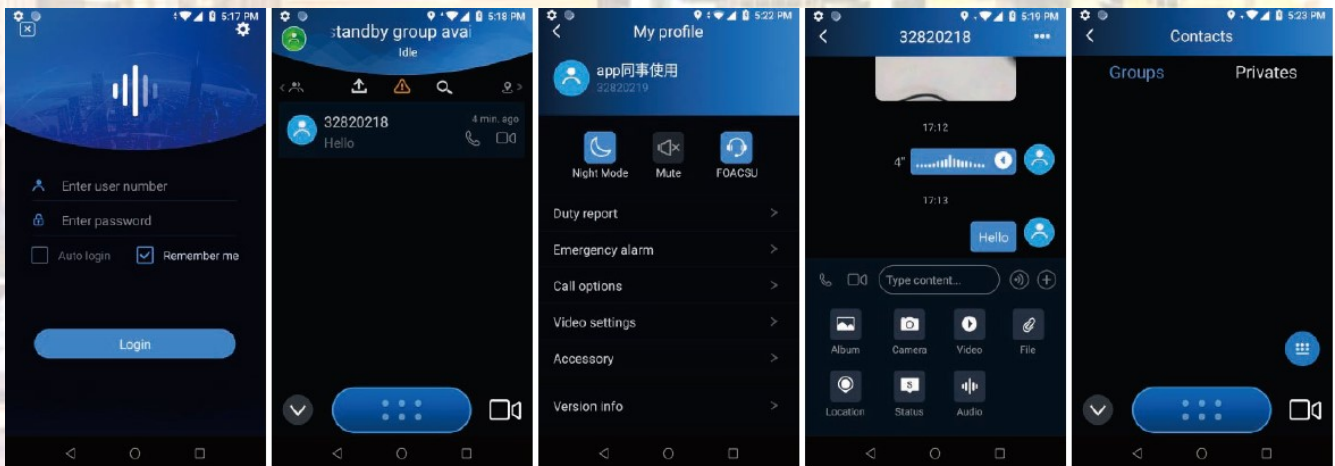
Voice services

- Half-duplex individual call
- Full-duplex individual call
- Preempt call
- Video individual call
- Video group call
- Voice recording playback
- Terminal dynamic reorganization

Supplementary Trunking Services

- Take talk right under half-duplex call
- Emergency call
- Emergency alarm
- Group call merging
- Group management/group properties
- Group member pull-down
- Current group attachment
- Scanning group attachment
- Talk right management
- Late entry
- On-line status
- Screenshot
- ROIP supports broadband first
- Configuration server
- Terminal dynamic reorganization
- ROIP Dynamic regrouping
- ROIP supports broadband first
- Configuration server

Application



Specifications

The Crosscom Multimedia Integrated Communication Platform capacity is scalable. The solution can be increased by adding servers to meet the users' different performance requirements.

There are three network scale types:

- Micro network,
- Small network,
- Medium network.

It supports local and cloud deployment.



		Item	Value
Hardware	CBX6000 Server Lenovo SR550	CPU	Xeon 4112 4 c_85w_2.6 GHZ
		Memory	16G
		Hard disk	5*300GB
		Network adaptor	1Gb 4-Port RJ45 Ethernet Adapter and 1Gb 2-port Ethernet

Metric name	Micro network one server	Micro network one server	Small network two servers	Medium network three servers
Max. Number of subscribers	4000	10000	25000	50000
Max. Number of groups	500	1000	2500	5000
Max. Number of online users	2000	5000	10000	20000
Max. Number of group members	500	500	500	500
Max. Number of groups for each user	500	1000	1000	2000
Max. Number of interconnected MSO	32	32	32	32
Max. Throughput	1 Gbps	1 Gbps	2 Gbps	4 Gbps
Max. Concurrent users (voice)	400	1000	2000	4000
Max. Concurrent users (video)	80	200	400	800
Numbers of Servers	1	1	2	3