



SUPPORTING STANDARDS-BASED ISSI INTEROPERABILITY

PUBLIC SAFETY BROADBAND PTT

First responders rely on fundamental push-to-talk capability as a primary mode of communication and expect it to be available in their broadband communications systems too. Connecting broadband users to each other or to P25 users greatly expands the ability for an agency to interoperate with a larger group of responders and provides agencies with more choices for communication devices. Motorola PTT voice service supports industry standards and enables collaboration across multiple technologies.

One of the first companies to develop PTT capabilities over broadband cellular systems, Motorola has extensive experience designing, deploying and optimizing state-of-the-art PTT over cellular and wireless data systems. In fact, Motorola PTT over cellular solutions are used by some of the largest cellular operators in the world. Our public safety PTT service for broadband is a fully redundant client-server solution that connects to P25 and 3G/4G commercial carrier networks to enable interoperability across multiple networks.

INSTANT COMMUNICATIONS

- Group voice call, one-to-many PTT call
- Private voice call, one-to-one PTT call
- Talkgroup scanning and monitoring
- Selective group monitoring
- Priority group scanning
- User-controlled presence

INTEROPERABILITY

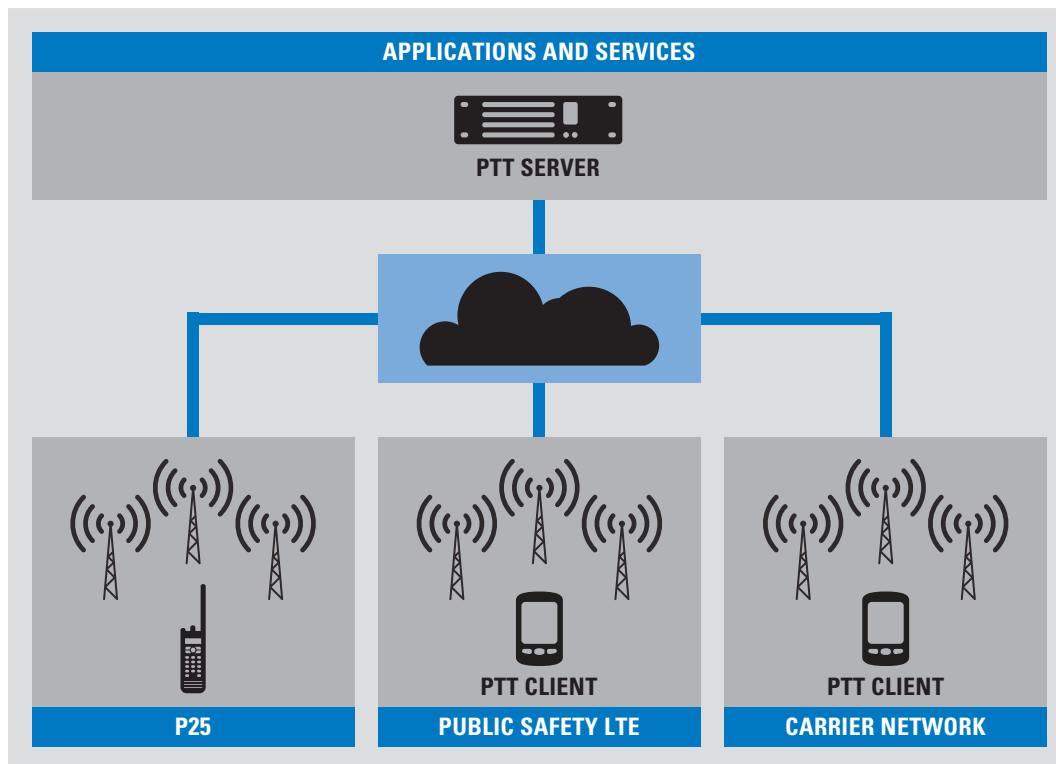
- Connect across multiple Public Safety LTE systems
- Communicate between Public Safety LTE and Project 25 (P25) networks
- Supports P25 ISSI interface
- Communicate between Public Safety LTE users and users roaming on commercial carrier networks

EASY AGENCY MANAGEMENT AND CONTROL

- Quality of Service (QoS) controlled via Prioritization Service Manager (PSM)
- Contact list and groups centrally managed and stored on server
- Easy and fast over-the-air programming to LTE handheld devices

HARDWARE SPECIFICATIONS

PTT SERVER		PTT GATEWAY	
Platform	Redundant HP ProLiant DL380 G6	Platform	Oracle® Sun Netra X4270
Processor	Intel Xeon E5540 (2.3 GHz/4-core/ 8MB/80W) per server	Processor	Intel Xeon L5518 2.13 GHz
Memory	64 GB per server	Memory	8 GB (high tier)
Operating System	RHEL 5.5	Operating System/Software	Solaris 10 pre-installed
Power	100-240VAC, 50-60 Hz (2) 460W power supplies per server	Hard Drives	2 x 146 GB (high tier)
Rack Units	2 RU per server	Rack Units	2 RU
Size (H x W x D)	3.4 x 17.5 x 27.2 in (8.6 x 44.5 x 69.1 cm)	Power	100-240 VAC 50-60 Hz Hot-swappable AC 760W power supplies
Weight	60 lbs per server	Size (H x W x D)	3.43 x 17.52 x 20.71 in (87.1 x 445 x 526 mm)
SAS STORAGE ARRAY		Weight	17.5 kg (38.5 lb)
Platform	Dot Hill SAS 2522		
Storage	292 GB		
Power	100-240VAC, 50-60Hz, (1) 436W Power Supply		
Rack Units	2 RU		
Size (H x W x D)	3.5 x 17.5 x 21.3 in (8.9 x 44.5 x 54.1 cm)		
Weight	58 lbs		



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