CAPACITY, COVERAGE AND CONTROL

MOTOTRBO™ CAPACITY MAX TRUNKED RADIO SYSTEM

The next generation of trunking has arrived. MOTOTRBO Capacity Max blends innovation with Motorola's extensive real-world experience of trunked radio systems to deliver a scalable communications solution that's perfect for your business.

Versatile and powerful, MOTOTRBO combines the best of two-way radio functionality with the latest digital technology for instant communicating, better decision-making and seamless coordinating. MOTOTRBO is the next generation of business technology that takes productivity, safety and efficiency to a whole new level.

Motorola has been delivering DMR-based trunking systems to businesses around the world since 2009. Now we have brought together our experience, our innovation and your feedback to create Capacity Max, the next generation trunking solution.

With an architecture optimized for high performance, high efficiency and graceful scalability, Capacity Max can deliver better collaboration and safety to your business — whether it's a single campus or an international operation. Capacity Max has powerful management tools to help you get the most from your business communication solution. You have complete control over system configuration and fault and performance management from a single console. Over-the-air programming ensures that you can reach every radio without disrupting operations.

MOTOTRBO Capacity Max is fully compliant with the ETSI DMR Tier III mode of operation. You can be confident that you are investing in open standard technology with global support.

Speak to your local Motorola representative to find out how MOTOTRBO Capacity Max can connect your organization.

MOTOTRBO SYSTEMS			
IP SITE CONNECT	[LINKED] CAPACITY PLUS	CAPACITY MAX	CONNECT PLUS
CONVENTIONAL	TRUNKING		
1 – 15 SITES	1 – 15 SITES	1 – 15 SITES	1 – 250 SITES
UP TO 200 USERS*	UP TO 1600 USERS/SITE*	UP TO 3000 USERS/SITE*	UP TO 3000 USERS/SITE*

*Maximum capacity, based on standardized low traffic call model

NEXT GENERATION DIGITAL TRUNKING

The MOTOTRBO Capacity Max trunked radio system is built on a distributed architecture for voice and data. Control is centralized, but traffic routing is optimized to minimize cost and maximize performance. There's no need for specialized hardware; the system is based on a standard IP network and an industry-standard server platform with proven performance and excellent support.

Capacity Max goes beyond the core interoperability of the DMR standard to bring you enhanced functionality. Features and applications such as Digital Emergency and Work Order Ticketing give you the tools you need to make your business successful.

CENTRAL MANAGEMENT FOR COMPLETE CONTROL

The job of managing a fleet of radios has evolved into the challenge of managing a full suite of communication resources. Capacity Max gives you centralized control of everything you need to manage your system. System management software gives you command of infrastructure, devices and talk groups, all organized in a logical way to make you more efficient and effective. You can optimize performance, monitor alarms and faults – the system will even help you to create radio codeplugs.

Updating and upgrading is easier too, with processes for pushing out software and firmware patches to the system server, infrastructure and radios.

SMOOTH SCALABILITY

MOTOTRBO Capacity Max makes it easy for you to grow your system as your needs evolve. A system can support up to 15 sites with up to 3,000 users per site and up to 100 voice talkpaths. A wide portfolio of MOTOTRBO radios are compatible, giving you the flexibility to tailor the solution to your operations. Capacity Max fits seamlessly into the existing MOTOTRBO portfolio of systems: Whether you're starting from Capacity Plus or IP Site Connect, the transition to Capacity Max is straightforward and non-disruptive.
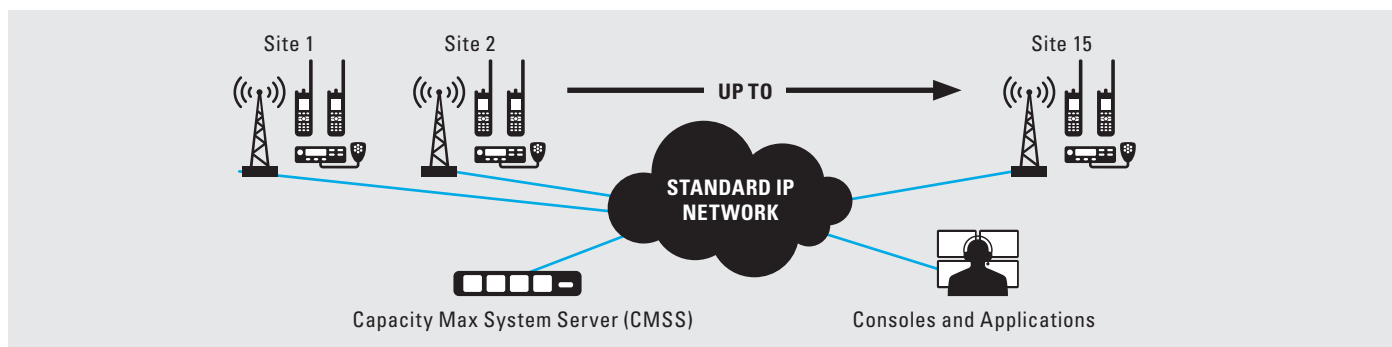
HIGH RESILIENCY, HIGH SECURITY

Capacity Max has many layers of redundancy, so that no single failure can bring your system down. Optional redundant controllers, IP switches and site repeaters can be equipped. You can also provision a second control channel per site for ultra-high system availability.

Security is a priority throughout the system. All voice, data, and control traffic within the IP network is encrypted and all radios are securely authenticated. You can even remotely disable and re-enable a device if it is misplaced or stolen.

DMR TIER III COMPLIANT

The solution supports all the innovative features you'd expect from MOTOTRBO, from advanced location tracking to long text messaging and enhanced security. For customers who need a system that supports other vendors' radios, Capacity Max can be run in DMR Tier III "Interoperability" mode with these features disabled.

Site 1   Site 2   UP TO   Site 15

STANDARD IP NETWORK

Capacity Max System Server (CMSS)   Consoles and Applications

To find out more about MOTOTRBO Capacity Max, please contact your local Motorola representative.

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