



Dimetra™ *LiTE*

Dimetra LiTE delivers best-in-class TETRA (TErrestrial Trunked RAdio) features providing reliable trunking voice capabilities, short data services, full-duplex telephony and secure two-way radio communications - for busy professionals in the field.

Leveraging Motorola's IP-based Dimetra architecture designed for mission critical environments, Dimetra™ LiTE extends the performance critical benefits to business critical users in the hotel management, manufacturing, refineries, seaports and airports, as well as oil and gas industries.

Supported by Motorola's complete suite of TETRA base stations and radios, customers are assured of product quality and performance.



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Dimetra™ *LiTE*

Compact in size.
Superior in performance.



LiTE
Low cost of ownership, Intelligent, Tough, Easy-to-migrate

Cost effective, fully featured TETRA digital two-way radio communications

Dimetra LiTE is a two-way radio switch that provides business critical users with the ability to establish and manage a fully functional TETRA digital two-way radio communication network.

Motorola's TETRA base stations and radios are designed specifically for the Dimetra LiTE solution to ensure users in the hotel management, manufacturing, refineries, seaports, airports and similar industries can now have the same two-way radio functionality of large mission critical users and with a low cost of ownership.

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Superior digital voice clarity

Dimetra LiTE and Motorola TETRA radios give you superior voice quality. Digital systems incorporate advanced error correction techniques that reconstitute voice at nearly its original fidelity throughout the coverage area.

Digital Two-Way

Dimetra LiTE and Motorola TETRA radios give you digital two-way communication, one-to-one or in groups. The digital technology means that caller ID is included and the call set-up time is virtually instant.

Telephone Interconnect

Dimetra LiTE and Motorola TETRA radios can switch to telephone interconnect giving staff instant access to public telephone networks. Team members can use the radio to make and receive telephone calls.

Emergency button with GPS locator

Integrating the emergency button in Motorola TETRA radios with GPS also means that employees can be located quickly on a map, so help can be sent in an emergency, in addition to the radio handset's alarm.

The Dimetra LiTE system also features pre-emptive priority calls and busy user pre-emption to ensure emergency calls can be sent and received without delay.

Voice and data combined

Simultaneous Voice and Data

Dimetra LiTE and Motorola TETRA radios, have the capability to easily interface with applications and transmit voice and data simultaneously, to exchange important information faster.

SDS Text Messaging

Data messaging, inherent in Dimetra LiTE, allows for the efficient exchange of information without the need to talk. Sending information via text ensures it is received, even if an operator is away from the radio, and overcomes the restrictions of using voice in noisy environments or when hearing protection is worn.

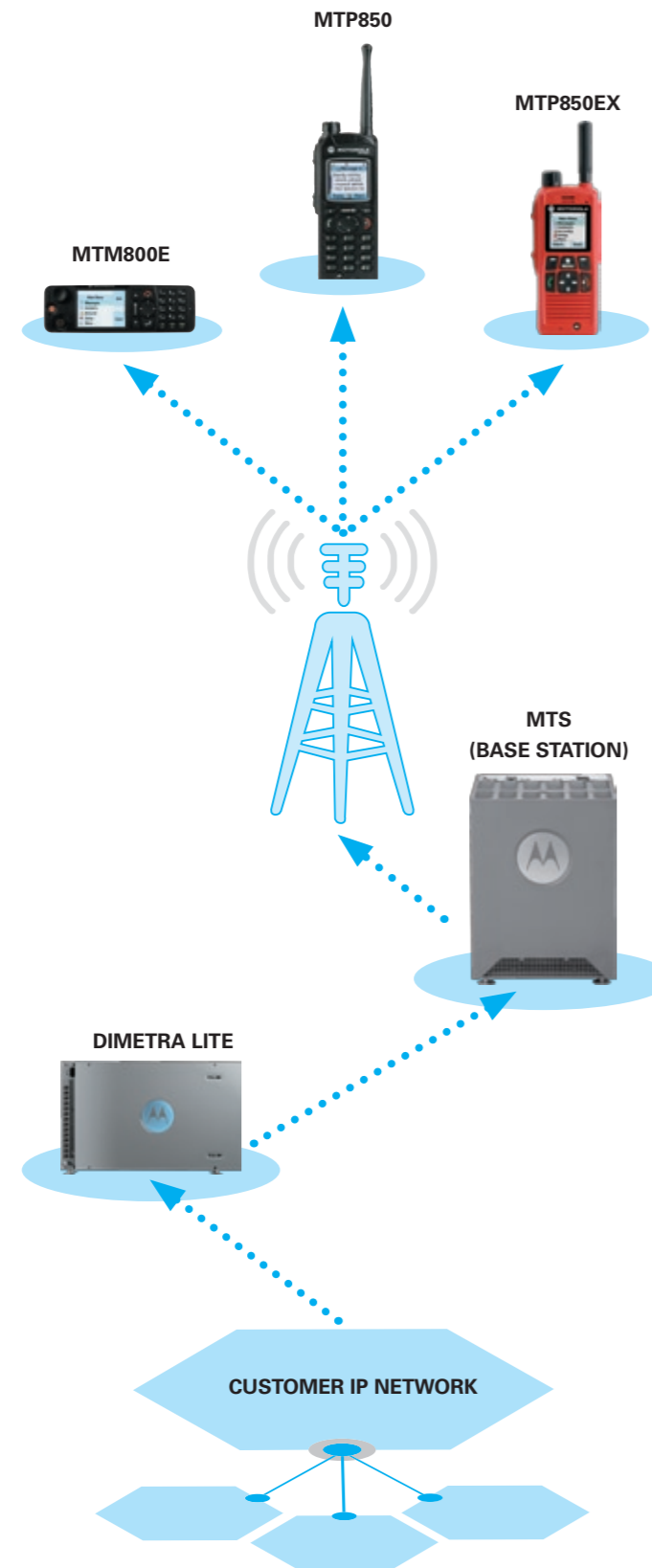
Secure digital network

Private talk groups

Dimetra LiTE lets you create private talk groups so that only the people you give access to can listen in.

Network security

Dimetra LiTE keeps your transmission secure and stops unauthorised people from listening in.



Compact in size. Superior in performance.

Dimetra LiTE is designed with customers in mind – providing low cost of ownership, migration capabilities, easy maintenance and robust durability to handle all your technology worries, so you can focus on your mission and not the technology.

Employing a web-based graphical interface, Dimetra LiTE is easy to install, operate, deploy and maintain. Its compact form factor can be wall mounted.

Dimetra LiTE operates on Ethernet connections enabling configuration, system monitoring, diagnostics alert and management of the network, remotely or onsite.

A robust and reliable platform, Dimetra LiTE base stations (MTS) provide wireless communication onsite. At the heart of each base station is a site controller which manages the local tasks delegated by the Dimetra LiTE main switch, such as subscribers' registration. It runs the intelligence on-site independently, taking over control of the communication if the link to the main switch is disrupted. This ensures communication remains available to users at all times.

Dimetra LiTE optimises your existing communication infrastructure. It can interface with existing TETRA base stations and radios, and has the capability to make progressive migration from an analogue network seamless.

One-stop shop

Motorola is the leading industry provider of TETRA, driving the design, development and deployment of scalable TETRA solutions. Dimetra LiTE is Motorola's latest addition to the Dimetra IP suite designed with the industrial, commercial and enterprise users in mind.

Oil & Gas, Utilities and Energy

Managing field personnel on the ground in hazardous environments is safer and more efficient with a seamless communication system at your disposal. Dimetra LiTE provides a high quality communication system with integrated voice and data communications to support daily supervision, dispatching and monitoring of workers and security personnel on location.

Transportation (Airports or Seaports)

An ideal solution for flight and/or port operators, it ensures optimum performance in fleet management and monitoring. It also enables automatic location tracking as well as status messaging for improved workforce management.

Hospitality and MICE (Meetings, Incentives, Conventions & Exhibitions)

Clear and crisp communications is critical to the efficient ground operations in any customer service centric environment such as hotel management. Dimetra LiTE allows easy integration into existing IT infrastructure and telephony systems, for enhanced communications coverage among staff.

Quick Facts

Low cost of ownership:

- Designed with business critical users in mind.
- User-friendly web-based interface.
- Flexible mounting options.
- Reuse of existing IT infrastructure.
- Easy integration with telephony systems for full duplex calls.

Intelligent:

- Leverages proven Dimetra IP architecture for consistent superior performance.
- Local site trunking intelligence.
- Pre-emptive capabilities such as call back features.
- Integrated trunked voice, short data and telephony service.
- Automated fast call setup.

Tough:

- Highly robust and resilient.
- Base radio redundancy.
- MTS site controller redundancy.
- Automatic RF interference detection and correction.
- Backup control channel.

Ease of migration:

- Progressive migration to digital trunking TETRA network.
- Minimum disruption to existing analogue conventional users.
- Optimises mixed mode communications.
- Ease of deployment and maintenance.
- Protection of investments.

Motorola's TETRA base stations and radios are engineered to operate exclusively on a TETRA network giving customers the assurance that the technology is complementary and is supported by a team whose only business is two-way radio.

BASE STATIONS



MTS2



MTS4

RADIOS



MTP850



MTP850Ex
(IECEx and ATEX certified)



MTM800



MTM800
Enhanced