

# Scalable Dimetra IP

High Scalability, Full Featured,  
TETRA Over IP Switch Solution





Motorola's Scalable Dimetra IP leverages on Motorola's proven Dimetra IP architecture to offer a more resilient, robust and reliable network for seamless communication amongst users - across borders, networks and devices.

The Scalable Dimetra IP is an enhanced IP-based TETRA solution that is highly flexible and scalable to integrate voice, messages, mobile applications and image transmission on a single network - anytime, anywhere, quickly and securely - ensuring the continuity of an operation or mission.

The Scalable Dimetra IP is Motorola's Next Generation Dimetra IP solution for mission critical users.



### Scalability Features. Full Investment Protection

Scalable Dimetra IP is fully scalable in size and features. This gives users flexibility in the way they deploy the solution. For example, users could choose to go with one site and basic voice features today, or add more sites and/or other services such as Short Data Service (SDS), packet data, telephony interconnection or even redundancy as and when required. Users could also expand their system from a single site to nationwide with full reuse of all hardware. This scalability in size and feature allows users to “pay as you grow” and provides full investment protection.

### One-Rack Switch Solution. Low Cost of Ownership

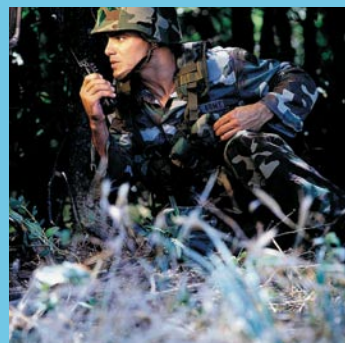
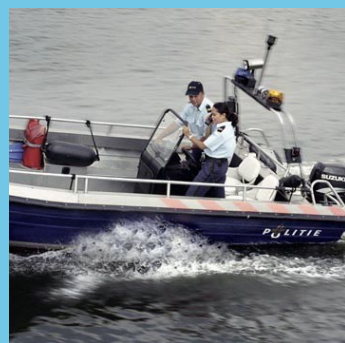
Scalable Dimetra IP starts from a one-rack switch solution. This provides savings in floor space, efficiency in power consumption as well as operations and maintenance. With its Plug and Play capabilities, Scalable Dimetra IP is easy to set up and operate. The equipment comes pre-configured and is operational almost immediately upon installation on location. In addition to its quick setup time, it can provide a complete backup of all system components on the hard disk of the Network Management PC or on a removable media for off-site storage. A service personnel could also access the system via a Virtual Private Network (VPN) connection anywhere with an Internet connection. The ease of maintenance reduces cost to customers on training and maintenance.

### Superior Performance. Competitive Features

Scalable Dimetra IP meets the most stringent operational requirements. It is configured with all the intrinsic hardware, software requirements as well as highly sophisticated features that have made Motorola Dimetra IP the preferred TETRA system network in the market today. These features include Multi-Slot Packet Data offering up to 28.8kbps data transfer, voice priority over data, ambience listening, pre-emptive priority call, busy user resource pre-emption, selective radio inhibit, interference detection and correction, authentication, Air Interface Encryption and End-to-End Encryption (E2EE).

### Extensive Application Suite

Scalable Dimetra portfolio supports a wide range of well-documented licensed Application Programming Interface (API), enabling organisations to connect seamlessly to other telecommunications networks and services, or integrate to their operational IT applications.



The Scalable Dimetra IP is about flexibility and speed is of essence. At Motorola, we continue to enhance the performance of our technology, using the standard IP protocol, to ensure critical voice-calls and data communications are set up across the network in a fraction of a second.

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**TECHNICAL DATA**

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Weight (kg) 280 when fully equipped

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Height x Width x Depth (cm) 133 x 60 x 98

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Power Consumption (W) 2,500 when fully equipped

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Shock EN300-0/9-2-6 T3.6

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Protection IP20

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Operating Temperature 18 degree C to 24 degree C

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Key Features

- Scalable from single site to wide area
- Plug and Play
- Fast call setup in less than 300 msec
- Instant one-to-many communication
- Support telephony, voice, SDS, packet data communication
- Air Interface Encryption
- Authentication
- E2EE (End-to-End Encryption)
- Selective Radio Inhibit
- Dynamic Regrouping

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Operations & Maintenance

- Remote configuration, fault, performance, network management
- Remote configuration of base station
- Remote diagnostics of base station
- Remote desktop/terminal services

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\*Please note that technical specifications are subjected to changes.



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