DIMETRA EXPRESS
COMMUNICATIONS MADE SIMPLE

DIMETRA Express is a flexible TETRA system. By integrating the switch and base radios in a one-box or modular system it makes it quick and easy to set up, deploy, and manage your communications. Allowing you to simplify everyday operations whilst reducing costs and complexity over the long term.

You can quickly integrate DIMETRA Express into your network using a single IP address, provision multiple subscribers, and complete installation using web browser-based applications and tools. Once it's up and running, DIMETRA Express is easy to manage and operate through the simple web-based network management and dispatch applications.

DIMTERA Express offers the voice, short data, and telephony services your team's demand. And it's expandable to multiple sites, so it can grow as your business does.

DIMETRA EXPRESS MTS4 TETRA SYSTEM

DIMETRA EXPRESS MTS2 TETRA SYSTEM

DIMETRA EXPRESS MTS1 TETRA SYSTEM

DIMETRA EXPRESS STANDALONE TETRA SYSTEM

MOTOROLA *SOLUTIONS*

KEY FEATURES

- Flexible DIMETRA TETRA solution in one-box or modular system
- Easy-to-set-up and configure with web-based system installer
- Digital radio voice services
- Integrated short data services
- VoIP telephony interconnect services
- Intuitive web-based network management application
- Simple web-based dispatch application

- Easy-to-use web-based system health monitor
- Simple web-based radio control manager
- Efficient web-based text messaging application
- Easy network integration with a single IP address
- Robust and reliable digital radio communications
- Cost effective communication solution
- Easily expandable to additional sites

SPECIFICATIONS

Configurations:

DIMETRA Express MTS1 and Express Server: 1-2 Base Radios (4 -8 Time Slots)
DIMETRA Express MTS2: 1 Base Radio (4 Time Slots)
DIMETRA Express MTS4: 1 to 3 Base Radios (4 to 12 Time Slots)
DIMETRA Express Standalone System

TETRA Voice Services, including Group, Individual and System Wide Calls

Short Data Services including interface to customer enterprise network

VoIP Telephony Interconnect

Authentication

Air Interface Encryption (AIE)

Geographic Redundancy

Dispatch Console API

Voice Logging API

Web-Based Network Management*:

Basic and Advanced view option
Real-Time System Health Monitor
Bulk loading of radio users and talkgroups

Web-Based Dispatch Console*:

Group PTT
Individual Call
Emergency Alarm
Text Messaging

Web-Based Radio Control Manager*:

Dynamic Group Number Assignment (DGNA)
Radio Stun

Remote service access (VPN)

Expandable to additional sites with DIMETRA MTS1, MTS2 or MTS4 Base Stations using Ethernet IP network site links

2000+ subscribers

Physical Dimensions [HxDxW]:

MTS1: 0.597m x 0.206m x 0.263m
MTS2: 0.61m x 0.48m x 0.45m
MTS4: 1.43m x 0.57m x 0.55m
Express Server: 0.079m x 0.175m x 0.260m

* Web based applications for Microsoft Windows and Android devices (using Chrome Browser)

Weight:

MTS1: 25.5 kg (Excluding Mounting bracket and Express Server)
MTS2: App. 45kg for portability
MTS4: App. 148kg fully equipped
Express Server: App 3.8Kg

Dual and Triple Receiver Diversity options (MTS1 Dual Diversity Only)

Hybrid Combiner
Auto Tune Cavity Combiner: MTS4 only

Wide Frequency range:

MTS1, MTS2, MTS4: 350-470 MHz
MTS2, MTS4: 350-470 MHz and 806-870 MHz

Receiver Sensitivity:

MTS2 and MTS4 350-470 MHz: -120 dBm typical (static at 4% BER)
                            -113.5 dBm typical (faded at 4% BER)
MTS2 & MTS4 806-870 MHz: -119.5 dBm typical (static at 4% BER)
                          -113 dBm typical (faded at 4% BER)
MTS1 350-470 MHZ: -119.5 dBm typical (static at 4% BER)
                   -113 dBm typical (faded at 4% BER)

Operating Bandwidth: 5 MHz

Transmit Power: 5 Watt to 40 Watt (configurable),
(MTS1 1 Watt to 10W - Configurable)

Temperature Range: -30 to +60C (MTS1 -30 to +55C)

Input Power:

MTS1, MTS2 and MTS4: 100/115/230VAC, 50/60Hz, and 48VDC
Express Server: 100-240VAC, 50/60Hz (external power adapter) and 6V to 36VDC

Power Consumption:

MTS1: 75 to 100 Watt
MTS2: 450 Watt maximum when fully equipped
MTS4: 1100 Watt maximum when fully equipped
Express Server: 60 Watt maximum consumption

Top cable entry and bottom to top cooling airflow allows the cabinet to be placed up against a wall or neighbouring equipment, saving additional space (MTS2 and MTS4 only)

Full Front Access and top cable entry for easy maintenance (MTS2 and MTS4 only)

Remote transmit antenna monitoring as standard for improved availability

MTS1 Outdoor sealing kit option

For more information, please visit: **motorolasolutions.com/dimetraexpress**

MOTOROLA SOLUTIONS

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