



SCALABLE. FLEXIBLE. PROVEN TETRA SYSTEMS

MOTOROLA DIMETRA IP COMPACT

Whether you're a governmental agency or a commercial organisation with critical operations, you need a communications system you can depend on. Your communication system needs to be tailored to the way work gets done in your business – and also tailored to your budget. That's why we developed Dimetra IP Compact - a scalable and flexible TETRA solution that harnesses the proven capabilities and feature set of our Dimetra IP system.

MODULARITY TO FIT YOUR NEEDS

The flexible architecture of Dimetra IP Compact allows you to start small and grow as your business grows. Whether starting from a single site or with voice and basic data functionality, our solutions allow you to expand when you want – and without disrupting your existing users.

We've developed Dimetra IP Compact based on an enhanced IP architecture. This allows optimum call setup performance and ensures high system availability. The IP architecture also gives you the inherent benefits of IP networking – these include economical network operation and system modularity to help minimise capital outlays. An added benefit is the option to carry IP traffic from network sites, over E1 or Ethernet – allowing you to take advantage of the lowest cost transmission technologies.

MOTOROLA QUALITY TO THE CORE

Dimetra IP Compact uses the same software and architecture as our nationwide TETRA solutions in use by public safety organisations worldwide. This gives you access to a tried and tested range of features and a commitment to ongoing development and support.

MAXIMUM SYSTEM AVAILABILITY

Dimetra IP Compact supports a number of capabilities that help you maximise system availability. These include optional features such as Geographic Redundancy, which provides an excellent and cost effective disaster recovery solution.

COST EFFECTIVE NETWORK OPERATION

To maximise operational efficiency, the system design leverages the latest virtualisation technology and world class IT server hardware. As well as delivering lower power consumption, the IT server based architecture delivers enhanced manageability through simplified software maintenance and enhanced core design flexibility.

PRODUCT SPEC SHEET
DIMETRA IP COMPACT

DIMETRA IP COMPACT SPECIFICATIONS

Enhanced System Rack	Supports TETRA Voice Services ¹ including Group and Individual Calls. Compatible with Motorola MTS range of TETRA base stations and MCC7500 IP Consoles	
	Short Data Services	
	Remote Service Access	
	Packet Data Services [Single Slot, Multi Slot and TETRA Enhanced Data Service (TEDS ²)]	
	Telephony Interconnect Gateway – choice of IP or E1 enabling connection to analogue PABX or an external VoIP network via IP-PABX; SIP protocol support	
	Support for E1 or Ethernet site links	
	System Redundancy Option	
	Voice Recording Option	
	Security Option, including:	Authentication
		Air Interface Encryption
	End to End Encryption	
Geographical Redundancy Option	As enhanced system rack but providing Geographical Redundancy	
	Voice operation	
	Telephone interconnect	
	Short data services	
	Interface to customer enterprise network	
	Remote service access	

GENERAL

Dimensions	Enhanced System	1330 x 600 x 980
	Geographical Redundancy	1330 x 600 x 980
HxWxD (mm)	Racks ⁴	(both cabinets)
Weight (kg) (max)	Enhanced System	320
	Geographical Redundancy	280 (cabinet A)
Power Consumption (kW) ³	Racks ⁴	190 (cabinet B)
Power Consumption (kW) ³	Enhanced System	1.9
	Geographical Redundancy	1.5 (cabinet A)
	Racks ⁴	1.0 (cabinet B)

ENVIRONMENTAL & REGULATORY

Environmental	Compliant with the European Union EMC Directive 89/336/EEC and Directive 2002/96/EC of the European Parliament and of the Council of 27 January 2003 on Waste Electrical and Electronic Equipment (WEEE), Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
Regulatory	ETSI EN 300 827

¹ For full details of services supported please contact Motorola
² Please contact Motorola for further details of the TEDS solution.
³ Power consumption based on fully equipped rack
⁴ This solution geographically separates existing switch level redundancy. As such 2 system racks are required

For more information on how your organisation can benefit from the Dimetra IP Compact TETRA solution, visit us on the web at: www.motorolasolutions.com

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