



MTS2 800 MHz

Less CapEx and OpEx, More Efficiency!



Compact and lightweight, the Motorola MTS 2 is a deployable TETRA base station offering full feature performance and superb cost efficiency.

With its small and flexible modular design, MTS 2 dramatically reduces installation costs and makes site acquisition easier than ever. Excellent RF parameters supporting greatest possible radio coverage quality.

The ultra flexible MTS 2 meets a growing demand for small, deployable base stations that ensure site acquisition and installation is as easy and economical as possible.

- Reduced site acquisition costs through lower site requirements, lower maintenance through less site visits and the ability to re-use MTS 2 in different configurations
- Reduced installation costs due to effortless transportability
- MTS 2 fully complies with the new ROHS directive

Compact Design Optimises Site Space

Small, light and versatile, the MTS 2 is a high performance base station that can be installed in all kinds of locations.

- A compact design and upgraded features for enhanced performance
- 45 kg for even better portability
- A width of just 45 cm allowing convenient fitting into a 19" cabinet
- High Tx Power of 40 W without Tx combining (25 W with Tx combining)
- Triple Receiver Diversity allowing up to 3 receivers per carrier
- 'Best in Class' receiver sensitivity
- Wide frequency range of 806 - 870 MHz
- 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
- Supports a wide range of RFDS configurations with up to 3 receivers per carrier and duplexed receive/transmit antennas. Sites that do not allow multiple antennas can be set up with one single omni antenna pole, avoiding expensive mast constructions and complying with environmental requirements

Specification Sheet

Flexible Configuration For Easy System Enhancement

MTS 2 is extremely flexible in its standard configuration.

- Fits conveniently into a 19 inch cabinet, avoiding the need for disassembly, re-racking or re typeapproval. This allows the best possible space utilisation and support for both outdoor and shock absorbing transportable enclosures.
- Can easily be expanded to a 4 carrier system without having to change antenna installations. Key Parts of MTS 2 can be reused in an MTS 4 cabinet.

Designed for Reliability and Low Maintenance

Featuring the latest materials and components, MTS 2 offers supreme reliability in various conditions plus a modular design including front access for easy servicing.

- Required battery capacity and heat dissipation is low due to excellent power efficiency and with a strong integrated battery charger, power supply costs are kept to an absolute minimum.
- Equipped with low noise fans, MTS 2 is fully operational up to 60°C at any power level up to 25 Watts after combining or 40 Watts without transmit combining.

Specifications

Up to 2 base radios (8 time slots)

Small & compact:	0.61m x 0.48m x 0.45m [HxDxW]
Weight:	45 kg
Temperature range:	-30 to +60 °C
Power:	Input power 100/115/230V AC, 50/60Hz and -48V DC Power consumption 700 Watt - 40 Watt transmit power (without Tx combining) - 25 Watt transmit power (with Tx hybrid combining)

X.21 or fractional E1 connection to the central network equipment

E1 redundant site link from System Release 6.1

Frequency range: 806 - 870 MHz

Operating bandwidth: 19 MHz

Dual or triple diversity

Hybrid combiner - offering remote frequency agility, no site visits

Duplexed Rx/Tx reducing the amount of antennas

Best in class receiver sensitivity, at input connector:
119,5 dBm typical (static at 4% BER):
113,0 dBm typical (faded at 4% BER)

Strong integral battery charger saves space and duplicated equipment

Full Front Access and top cable entry – for easy maintenance

Door alarming contacts as standard – for added security

Remote transmit antenna monitoring as standard – for improved availability

Support for 15 external user input alarms – for additional site monitoring

Support for 2 external user output alarms – for additional site control

Remote GPS allows for tunnel or underground housing

Resilience supported through Dimetra Local Site Trunking

For more information please contact your local Motorola Authorised Dealer or Distributor

