

MTP850 — Motorola TETRA Portable Terminal

Customers' evolving needs require increasingly secure communication to protect staff safety and respond effectively to emergencies. In response to these needs Motorola has developed the MTP850 which offers the widest range of new and proven capabilities.

MTP850 Specifications

[MTP850 Features](#)

MTP850 General Specifications

| | | | |
|--------------------------------|--|----------------------------|------------|
| Dimensions HxWxD mm | 125 x 50 x 33.5 (slim battery) | | |
| | 125 x 50 x 37.5 (standard battery) | | |
| Weight g | 189 (radio only) | | |
| | 237 (with slim battery) | | |
| | 250 (with standard battery) | | |
| Battery Performance | Slim Li Ion (900 mAh) | Standard Li Ion (1800 mAh) | |
| | — | > 10 hours | > 20 hours |
| | Duty Cycle (5/5/90) | > 8 hours | > 16 hours |
| | Duty Cycle (5/35/60) | 1.8 hours | 3.5 hours |
| | Talk Time | | |
| Colour Display | 130x130 pixel screen size with 65,536 vivid colours Flip screen and large text options | | |
| Talk Groups TMO | 2048 | | |
| Talk Groups DMO | 1024 | | |
| Address book | 1000 Persons Up to 6 numbers per entry Max 2000 entries | | |
| Text Message List | 20 | | |
| Status List | 100 | | |
| Country code/Network code list | 100 | | |
| Scan list | 20 lists of 20 groups | | |
| Environmental | | | |
| Operating Temperature °C | -25 to +60 | | |
| Storage Temperature °C | -40 to +85 | | |
| Humidity | ETS300 019-1-7 class 7.3E, up to 95% for 8 hours | | |



| | |
|--|---|
| Dust and Water | IP54 (cat.2) - EC529 class |
| Shock, drop and vibration | ETS 300 019-1-7 class 7.3E (-25 to +60) Between 5-95% relative humidity, no condensation |
| RF Specifications | |
| Frequency Bands MHz | 806-870 |
| RF Channel Bandwidth kHz | 25 |
| Transmitter/Receiver/Separation MHz | 45 |
| Transmitted RF Power Watt | 1 |
| RF Power of Accuracy +/-db | 2 |
| Receiver Class | A and B |
| Receiver Static Sensitivity dBm | -112 minimum (-115 typical) |
| Receiver Dynamic Sensitivity dBm | -103 minimum (-107 typical) |
| Integrated GPS Specifications | |
| Simultaneous Satellites | 12 |
| Mode of Operation | Autonomous or assisted (A-GPS**) |
| GPS antenna | Helical integrated into TETRA antenna |
| Sensitivity | 152dbm/-182dbW |
| Accuracy | 5 metre (50% probable)* 10 metre (95% probable)* |
| Notes related to features and specifications | |
| <p>* Measured at -137 dbm</p> <p>** Feature requires network support. Contact network operator for availability of support.</p> <p>The information contained on these pages may be subject to change without further notice.</p> <p>All product features are subject to infrastructure support.</p> <p>Selected features are subject to optional software upgrade.</p> | |

© Copyright 2004 Motorola Inc. All Rights Reserved.



Midgårdsvägen 20, S-973 34 LULEÅ
Tel: 0920-22 24 10, Fax: 0920-22 24 20
E-Mail: info@vianetab.se
Gsm: 070-545 14 52, 070-545 17 81