

# TETRAtab M Series

Low power resilient TETRA telemetry



**TETRA<sup>tab</sup>**<sup>TM</sup>  
Secure Mobile Data

# M Series

## Technical Specification



Size	Dimensions	115 x 101 x 49mm
	Weight	Weight 525 g
Operating System		Windows XP or 7 Pro
Touchscreen	Optional	Optional 7" or 10" screen
Power		Lower power - typically 8W (without TETRA modem)
RAM		Intel Atom 1.6 GHz
Hard Drive		Up to 2GB DDR2 160GB 2.5' SATA HDD (except discless models)
Connectivity		SSD optional 8-16GB available RS232 Serial Port (Full UART) Dual gigabit ethernet (2 independent ports) 2 USB 2.0 A Ports 2 mini USB 2.0 ports HDMI Connector SMA gold plated antenna connection Bespoke programming port (K loading and CPS programming leads optional)
GPS		Optional accessory
Portable Battery, UPS		Optional accessory
Environmental	Operating Temperature	0 °C to +60 °C - Extended ranges available to -20 °C
	Storage Temperature	-40 °C to +85 °C
	Relative Humidity	Storage 5% to 95% / Operational 10% to 90%
Input Power		12 V DC
TETRA RF Specifications	Frequency Bands	380 - 400 MHz, 410 - 430 MHz
	Transmitter RF PowerWat	1 (30 dBm) On 50 Ohm load, EN303 03-1 Power Class 4
	Receiver Class	A & B
	Power Control Range dBm	30 - 15 EN303 035-1
	Power Control Step Size dB	5
	RF Channel Bandwidth KHz	25
	Receiver Static Sensitivity dBm	-112 minimum
	Receiver Dynamic Sensitivity dBm	-103 minimum
Hardware User Interface		Power ON/OFF
Radio User Interface	TETRAmonitor User interface	Dial up interface
Software	software providing:	Serving call and neighbouring cell information SDS email and contact management Radio Identity Information
Security	Authentication	Infrastructure Initiated & made mutual by terminal
	Air Interface Encryption	Algorithms: TEA 1,2 & 3 Security class: Class 1 (Clear), Class 2 (SCK), Class 3 (DCK/CCK)
Wireless Data		TETRA IP packet data, single slot AT Command Interface for applications Group address SDS send and receive
Approval		<a href="http://www.tetratab.com/approvals">www.tetratab.com/approvals</a>