

TECHNISONIC

Communications

YOU DESIGN IT. WE BUILD IT.



TDFM-9000 SERIES
ANALOG/DIGITAL/ENCRYPTED/TRUNKED/
MULTI-BAND AIRBORNE AM/FM TRANSCEIVERS

TDFM-9000 SERIES

ANALOG/DIGITAL/ENCRYPTED/TRUNKED/ MULTI-BAND AIRBORNE AM/FM TRANSCEIVERS

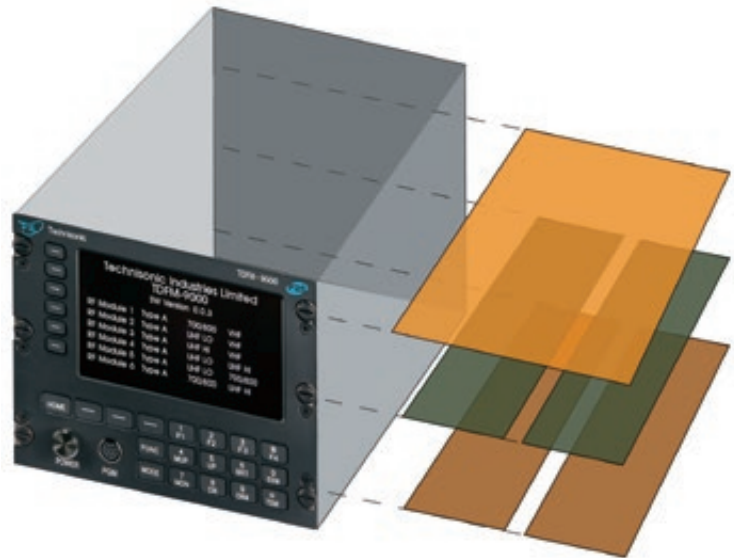
The TDFM-9000 / 9200 / 9300 series radios offer Project 25 Analog/Digital/Encrypted/Multi-band AM/FM radio transceivers capable of meeting your most demanding operating requirements in both Phase I (FDMA) and Phase II (TDMA) modes. The TDFM-9000 Series consists of multiple models which are configurable to meet each user's specific requirement. Each model is Dzus panel mount and each unit is completely self-contained (no remote mount box).

Capabilities of each are as follows:

- ❑ The new All-Band P25 module can support analog/digital operation on the full FM Band spectrum (VHF, UHF and 7/800) or can be configured to support operation on any mix of two bands or on any single band. Optional P25 Phase 1 (FDMA) and Phase 2 (TDMA) Trunking is also available.
- ❑ The TDFM-9000 can support up to six (6) All-Band P25 modules in all the available configurations.
- ❑ The TDFM-9200 can support two TiL Analog modules and up to two (2) All-Band P25 modules in all the available configurations.
- ❑ The TDFM-9300 can support one TiL Analog module and up to four (4) All-Band P25 modules in all the available configurations.
- ❑ Radio modules can be individually configured to include any P25 options such as trunking, encryption, OTAR, etc.
- ❑ Optional Encryption protocols: DES, DES-XL, DVP, DVP-XL, DVI, AES, ADP.
- ❑ Available Multiple Encryption Keys:
64 Common Key Reference (CKR) or
16 Physical Identifier Reference (PID) keys.
- ❑ Each radio module can store 3000 channels and can be programmed to operate in digital or analog mode on a channel-by-channel basis.
- ❑ Each radio module independently supports SCAN across its entire frequency spectrum.
- ❑ Built-in audio switching allows multiple RF modules in either combined or separate transceiver configurations.
- ❑ Supports simulcast and cross-band repeat.
- ❑ Programming is via a Motorola CPS software program.
- ❑ Dimensions: 4.5" (H), 5.75" (W) and 8.5" (D)

PROTOCOLS SUPPORTED

- ❑ P25 Phase II TDMA
- ❑ Conventional Analog
- ❑ Smartnet II / SMARTZONE
- ❑ P25 Phase I FDMA
- ❑ Conventional P25
- ❑ P25 Trunking



*Technisonic radios are built with you in mind.
Modular configurations allow you to only buy what you need.*

New Modules can be configured to support Single / Dual or All-Band operations

SINGLE BAND OPTIONS

- ❑ VHF
(136-174MHz)
- ❑ UHF
(380-520MHz)
- ❑ 7/800
(764-870MHz)

DUAL BAND OPTIONS

- ❑ VHF / UHF
- ❑ VHF / 800
- ❑ UHF / 800

ALL-BAND OPTIONS

- ❑ VHF / UHF / 7-800

TIL ANALOG RADIO MODULES

- ❑ Low Band FM (30 to 50 MHz)
- ❑ VHF/AM Aeronautical Band (118 to 136 MHz)
- ❑ UHF/AM Military Band (225 to 400 MHz)

MORE CAPABLE. LESS COST.

New Customer Inquiries

Jim Huddock
Minneapolis, MN
612.231.9020
www.til.ca

Distribution and Support

Dallas Avionics, Inc.
Based in Dallas, Texas, distributes and supports
Technisonic products in North America.
www.dallasavionics.com
214.320.9770 800.527.2581

Corporate Headquarters

240 Traders Blvd.
Mississauga, ON Canada L4Z 1W7
905.890.2113