

# 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

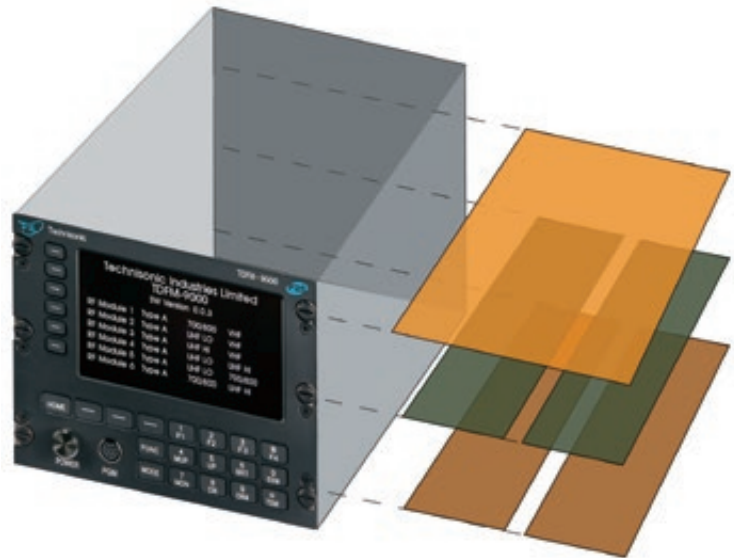
The TDFM-9000 / 9200 / 9300 series radios offer Project 25 Analog/Digital/Encrypted/Multi-band AM/FM radio transceivers capable of meeting your most demanding operating requirements in both Phase I (FDMA) and Phase II (TDMA) modes. The TDFM-9000 Series consists of multiple models which are configurable 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  
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**612.231.9020**  
[www.til.ca](http://www.til.ca)

#### Distribution and Support

Dallas Avionics, Inc.  
Based in Dallas, Texas, distributes and supports  
Technisonic products in North America.  
[www.dallasavionics.com](http://www.dallasavionics.com)  
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