

# TECHNISONIC COMMUNICATIONS

## YOU DESIGN IT. WE BUILD IT.



### TDFM-9300 with MCP

Multi-Band P25 / Multi-Device  
Airborne Communications Systems

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## Multi-Band P25 / Multi-Device Airborne Communications Systems

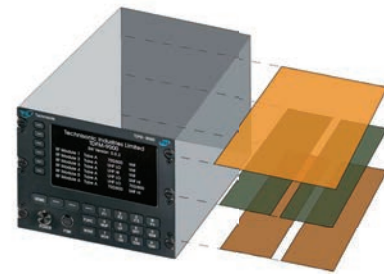
The TDFM-9300 series radios with our all new MCP Multi Communications Port offers the most comprehensive qualification list of any airborne multi-band radio on the market. Offering full compliance with Project 25 Analog/Digital/ Trunked /Encryption and AM/FM capabilities. The TDFM-9000 Series allows for customization to the most demanding mission requirements. Supporting both Project 25 Phase I (FDMA) and Phase II (TDMA) as well as dedicated analog requirements. Boasting the all-new MCP capability, the 9000 series now supports for the incorporation of up to two additional communications devices, from simple (handheld) or far more feature control integrations such as satellite calling or Push to Talk technologies. The TDFM-9000 series consists of multiple models which are configurable to meet each users specific requirements. All TDFM models are DZUS panel mounted and each unit is completely self-contained (No remote Box).

### Capabilities:

- MCP is standard on all models, allowing for direct connection and in some cases full integration into the radio. MCP supports two external communication devices that when connected integrate fully into the audio/mic/and ptt pathways as well as advanced features capabilities. MCP is supported through the use of either individual or combined audio installations.
- TDFM-9300 can support One Analog along with up to several P25 Compliant FDMA/TDMA modules of your choice.
- 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 2000 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



### Tri-Band Modules:

Modules can be configured to support any combination of one, two or all three of P25 public services bands VHF 136-174MHz, UHF 380-520MHz, 764-870MHz

### Individual Analog Radio Modules Supports:

- Low Band FM (30-50MHz)
- VHF/AM Vor Voice (107-117.9MHz)
- VHF/AM Aeronautical Band (118-136MHz)
- UHF/AM Military Band (225-400MHz)

### (T6) All-Band Analog Module Supports:

- Low Band FM (30-50MHz)
- VHF/AM Vor Voice (107-117.9MHz)
- VHF/AM Aeronautical Band (118-136MHz)
- UHF/AM Military Band (225-400MHz)

# MORE CAPABLE. LESS COST.

### New Customer Inquiries

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