TECHNISONIC COMMUNICATIONS

YOU DESIGN IT. WE BUILD IT.

TDFM-9000 with **MCP**

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

TDFM-9000 with MCP

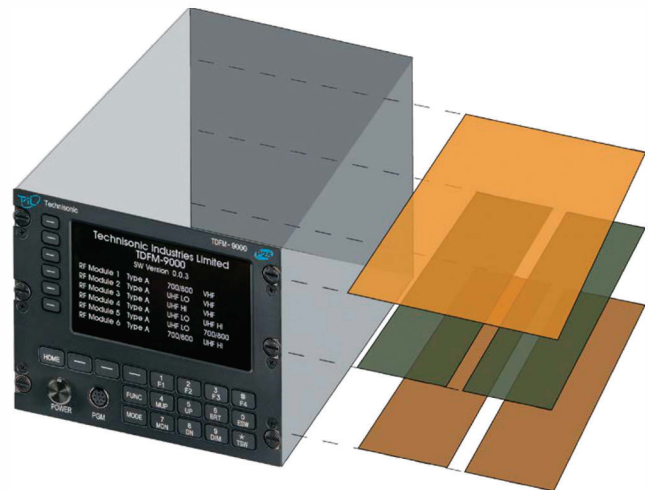## Multi-Band P25 / Multi-Device
Airborne Communications Systems

The TDFM-9000 / 9200 /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/Digitial/ 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-9000 can support up to six P25 compliant analog/digital FDMA/TDMA radio modules of your choice

• TDFM-9200 can support two Analog radio modules and two P25 digital modules capable of covering all three P25 frequency bands simultaneously, FDMA/TDMA Compliant

• TDFM-9300 can support One Analog along with up to four 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 AES, DES, DES-XL, DES-OFB. 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 P25 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 Trunking
• Conventional Analog
• Smartnet II / SMARTZONE
• P25 Phase I Trunking
• Conventional P25

All-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

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.