

RT-7000 AIRBORNE TACTICAL RADIO

Transceiver Module Options



OPTION 1

SDR Wideband Transceiver Module

- 29.7-960 MHz
- FM/AM Across "The Wideband Spectrum"
 - Military FM-50-88 MHz
 - Military AM-225-400 MHz
 - Extended range ATC, AM-118-156 MHz
 - 25 kHz & 8.33 kHz spacing
- Land mobile FM
 - 30-50 MHz (VHF Low Band)
 - 136-174 MHz (VHF High Band)
 - 380-520 MHz (UHF)
 - 764-870 MHz (700/800)
 - 896-940 MHz (900 MHz)
- P-25 digital conventional
- FIPS 140-2 AES and P25 DES Encryption; P25 Over-The-Air-Rekey (OTAR)

***Covers all tactical voice
and ATC needs.***

OPTION 2

Motorola APX 8000-Based Module

- Every module can cover:
 - 136-174 MHz VHF
 - 380-520 MHz UHF
 - 764-870 MHz UHF
- User-desired features:
 - P25 Phase II trunking
 - P25 Phase I, SmartZone & SmartNet trunking
 - ADP, AES, DES, DES-XL, DES-OFB, DVP-XL encryption over-the-air rekey (OTAR) and multikey encryption VoteScan multi-cast voting scan
 - Other Motorola features as requested P-25 digital conventional

***Leverages the latest Motorola
user experience.***



OPTION 3

SAR (Search & Rescue) Module

- Global Maritime Distress and Safety System (GMDSS)
 - Compliant receiver module
- Simultaneously monitors:
 - 121.5 MHz AM
 - 243.0 MHz AM
 - 156.8 MHz FM (Channel 16)
 - 156.525 MHz FSK (DSC, Channel 70)
- Extensively deployed via legacy RT-5000 radios to U.S. Coast Guard

