ARTCOM | 9681 V/UHF-A

AIRBORNE RADIO
#MilitaryCommunication

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ARTCOM 9681 V/UHF-A airborne radio ensures national/NATO frequency hopping and encryption, clear voice and data communication in VHF and UHF bands (30-512 MHz).

With its software defined architecture, short and medium range tactical radio communication (CNR-combat net radio), functionalities and advanced Electronic counter counter measure (ECCM) techniques are supported on the same platform.Software defined radio architecture, which supports many waveforms and it can be upgraded for new waveforms or features.

Operating Modes

9600 Mode (30-108MHz)
- Fixed frequency and frequency hopping clear and encrypted voice and data.
- Compatible with VHF-FM (NATO STANAG 4204) radios in clear voice.

SK-2 VHF Mode (146-174 MHz)
- Fixed frequency clear and encrypted voice and data.
- Compatible with VHF-FM radios in clear voice (EN 300 086 and EN 300 113)

SK-2 UHF Mode (406-470 MHz)
- Fixed frequency clear and encrypted voice and data.
- Compatible with VHF-FM radios in clear voice (EN 300 086 and EN 300 113)

V/UHF Air-Ground Mode (108-400 MHz)

AM
- Fixed frequency clear voice
- Encrypted voice with external encryption device
- Clear/encrypted data with external modem/encryption device
- 25/8.33 Khz channel spacing

FM
- Fixed frequency clear voice
- Encrypted voice with external encryption device
- Clear/encrypted data with external modem/encryption device
- 25/12.5 KHz channel spacing

9600A Mode (30-512 MHz)
- 30-512 MHz fixed frequency & frequency hopping clear or encrypted voice and data
- Fixed frequency and frequency hopping clear and encrypted voice and data
- FM modulation with 25kHz channel spacing
- Forward error correction (FEC)

APCO 25 Mode (146-174MHz, 380-400 MHZ and 406-470 MHz)
- Fixed frequency clear and encrypted voice and data
- Digital; compatible with TIA/EIA 102
- Analog; compatible with TIA/EIA 603-A
- 12.5 KHz channel spacing

Have Quick II (225-400 MHz) (Optional)
- STANAG-4246

Emergency Receiver
- Emergency channels receiver (121.5MHz or 243MHz)

Environmental Specifications
- MIL-STD-810F

EMI/EMC
- MIL-STD 461E

Electrical Power Characteristics
- MIL-STD-704A

Interfaces
- Data (synchronous/asynchronous/IP)
- GPS
- 1553 bus or ARINC-429 bus
- RS-422
- Fillgun
- External crypto
- Emergency guard
- ADF-homing
- Zeroize

Remote Control Unit (RCU)
- User friendly interface
- Use with night vision glasses (NVIS green)
- Central illumination control

Mechanical
Dimensions (WidthxHeigthxDepth)
- Transceiver unit 15x13x24 cm
- Remote control unit: 15x8x19 cm

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