



9671 V/UHF 100-MG, 9671 V/UHF 150-MG
FIXED STATION/SHIP RADIO

#MilitaryCommunication



aselsan

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9671 V/UHF is a new generation software defined radio which is designed to provide networked communication solution for integrated C4 system in addition to reliable voice and high speed data and video communications. 30-512 MHz wide operation band and high level electronic protection measures provide high level survivability during communications in comparison to conventional radios.

General Features

- Frequency band
 - 30-512 MHz (transceiver)
 - 108-512 MHz (with external PA)
- RF output power
 - 30W AM / 100W FM (transceiver)
 - 100W AM / 150W FM (with External PA)
- Available waveforms
 - CNR
 - ACNR
 - SK-2 VHF/UHF
 - V/UHF AM/FM
 - HAVEQUICK-II
- Built-in loudspeaker
- Built-in GPS receiver
- Built in test (BITE)
- 19" Rack compatible
- Internal power supply
- 90-250 Vac and 22-30 Vdc supply, auto AC-DC switching
- 1300 preset channels loading
- 100 manual channels saving
- Built-in 121.5 MHz and 243 MHz emergency guard receiver
- Internal co-site filter with frequency hopping (30-512 MHz)

Interfaces

- Touch screen
- Function keys for quick access
- Situation LEDs
- Fillgun interface
- External filter (AF) / combiner (DBC) interface
- External speaker interface
- Audio recording interface
- Wideband audio interface (WB)
- Narrowband audio interface (NB1, NB2)
- Remote control interface (ethernet and serial)
- External GPS interface (STANAG4372, RS485, RS232)
- Data interface (serial and ethernet)
- Data link interface (LINK11, LINK22, MARLIN)
- Emergency erase switch
- Separate antenna interfaces for tx, rx and guard

EMI/EMC and Environmental Conditions

- EMI/EMC: MIL-STD-461E
 - RE101, RE102, RS101, RS103
 - CE101, CE102, CE106
 - CS101, CS114, CS115, CS116
- Environmental conditions: MIL-STD-810F
 - Low temperature storage (-30 °C)
 - Low temperature operation (-20 °C)
 - High temperature storage (+60 °C)
 - High temperature operation (+55 °C)
 - Humidity
 - Vibration
 - Shock

Operating Modes

9671 V/UHF radios support different operating modes thanks to its software based architecture.

CNR Mode (30-108 MHz)

- Channel spacing: 25 kHz
- Fixed frequency analog voice
- Fixed frequency encrypted voice and data
- Frequency hopping voice and data
- Voice-Data relay and forwarding
- Active / Passive late entry
- Hailing
- Channel scanning
- Sending short message
- Sending operation code
- Serial data communication (synchronous, asynchronous)
- 300 preset channels

ACNR Mode (30-512 MHz)

- Channel spacing: 25 kHz
- Fixed frequency analog voice
- Fixed frequency encrypted voice and data
- Frequency hopping voice and data
- Voice-data relay and forwarding
- Active / passive late entry
- Hailing
- Channel scanning
- Sending short message
- Serial data communication (synchronous, asynchronous)
- Ethernet data communication
- 300 preset channels

SK-2 VHF/UHF Mode (146-174 MHz and 406-470 MHz)

- Channel spacing: 25 kHz
- Fixed frequency analog voice
- Fixed frequency digital (Clear) and encrypted voice and data
- Over the air re-keying and radio disabling
- Individual call
- Group call
- Emergency call
- Channel scanning
- Serial data communication
- Sending short message
- Sending status message
- 600 preset channels

V/UHF AM/FM Mode (108-174 MHz and 225-400 MHz)

- Channel spacing: 25/8.33 kHz (for AM)
- Channel spacing: 25 / 12.5 kHz (for FM)
- AM/FM fixed frequency analog voice
- FM Fixed frequency digital voice
- Encrypted voice with external cipher device in AM/FM
- Encrypted data with external modem and crypto in AM/FM
- Encrypted data with external crypto in FM
- 100 preset channels

HQ-II (Optional)

- HQ-II waveform, STANAG 4246

Future Waveforms

- Wide band networking waveform (WBNR)
- APCO-25 mode
- UHF SATCOM
- SATURN networking radio waveform, STANAG 4372