



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

#MilitaryCommunication



aselsan

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

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
- RF output power
 - 30W AM / 100W FM
 - 100W AM / 150W FM (with external PA)
- Available waveforms
 - ACNR
 - SK-2 VHF/UHF
 - V/UHF AM/FM
 - HAVEQUICK-II (optional)
- Built-in TRANSEC & COMSEC module
- Fast frequency hopping
- 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
- Preprogrammed and programmable presets capability
- 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/combiner interface
- External speaker interface
- Audio recording interface
- Wideband audio interface
- Narrowband audio interfaces
- Remote control interface (ethernet and serial)
- External GPS interface (STANAG4372, RS485, RS232)
- Data interface (serial and ethernet)
- Data link (Link-11, Link22, MARLIN)
- Separate antenna interfaces for Tx, Rx & Guard Rx

EMI/EMC and Environmental Conditions

- EMI/EMC: MIL-STD-461E
- Environmental conditions: MIL-STD-810F

Operating Modes

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

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

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

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

Future Waveforms

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

Coastal Communication Antennas



Surface Platform Antennas



150 W ATU
*ATU: Antenna Tuning Unit

400 W & 1000 W ATU

Submarine Platform Antennas



Submarine ATU