6670 ICS

IP BASED INTERCOMMUNICATION SYSTEM

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ASELSAN 6670 ICS provides users in tactical mobile platforms (Tank/ APC, Command & Control, Surveillance, and Reconnaissance Vehicles) internal and external communication capability with its IP switching infrastructure. External voice and data communication is achieved using the radios connected to ICS.

Outstanding features of 6670 Intercommunication System:
- Clear and intelligible voice communication using noise reduction techniques,
- IP switching infrastructure,
- Voice communication using VoIP technology,
- Ability to increase the number of users by means of IP based infrastructure,
- Compatibility with ASELSAN radios' waveforms,
- Compatibility with IP based systems,
- 4 radio connections through the analog audio interface,
- 2 radio connections (could be increased) through the Ethernet audio interface (SIP, RTP),
- PC interface enables data communication through radios connected to ICS,
- Ethernet (raw Ethernet, SNMP) control interface enables the control of radios connected to ICS,
- Web-based Management Software,
- User priority and authorization management,
- Wireless communication with remote infantry (through PRC-5712 Soldier Radio),
- Field Telephone interface,
- User-friendly Man Machine Interface,
- Audio and visual alerts,
- PoE connection between System Units,
- Easy integration and installation due to its modularity,
- Easy maintenance,
- Compatible with ZAMBAK Headsets which possesses ANR property

System Components
6670 Intercommunications System units:

Main Unit
- Headset interface
- Handset interface
- PoE interface for System/ User Units
- Radio connection
    - 2 Ethernet interfaces for audio, data and control
    - 4 Analog audio interfaces
    - 4 Ethernet interfaces for data and control
- Ethernet interface for PC/ Handheld Control Unit/ Auxiliary Main Unit / Main Unit/ Ethernet Switching Unit connection

Handheld Control Unit
- 7'' touch screen
- Management Software for system configuration
- Application Software for easy access to system functions

System Unit-I
- Headset interface
- PC/ Handheld Control Unit interface

System Unit -II
- Headset interface
- Internal loudspeaker and microphone
- PC/ Handheld Control Unit interface
- PRC-5712 Soldier Radio control interface

Sistem Unit - III
- Operable by 2 users independently and simultaneously.
- 2 Headset interfaces
- PC/ Handheld Control Unit interface

User Unit
- Headset interface

External System Unit
- Headset /handset interface
- Suitable for use outside the platform
- 2-wire Field Telephone interface

Auxiliary Main Unit
- Exchange interface (6xCO+PRI)
- Fiber Optic interface
- CAN bus interface

Ethernet Switching Unit
- 8 Ethernet ports to increase the number of users
- 4 SHDSL interfaces

Accessories
- Headset
- Handset
- Field Telephone

Each configuration must involve at least one Main Unit, rest of the units may be determined with respect to platform communication requirements.

Functional Specifications
- Simultaneous voice and data communication is achieved through IP infrastructure
- Straightforward operation with Handheld Control Unit
    - Configuration management
    - Radio control
    - User priority and authorization management
    - Defining voice groups among selected users
- Provides the external infantry the capability to access internal communication and perform voice and data communication with other radio stations through the radios connected to the ICS
- Capability to control the volume of each headset/handset
- In tactical situations where the intercommunication of two platforms need to be united, cascade connection of two ICS is provided
- Capability to record voice communication
- Capability to inform users through audio and visual alerts according to platform generated emergency messages
- Capability to configure VLAN's.
- Capability to transfer voice between different type of radios which are connected to the ICS. (Retransmission)
- Capability to perform Static IP Routing.

Environmental Specifications
- MIL-STD-810F

EMI/EMC
- MIL-STD-461E

Power
- MIL-STD-1275E

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