

INTERAS | 6670

IP BASED INTERCOMMUNICATION SYSTEM

#MilitaryCommunication



aselsan

IP BASED INTERCOMMUNICATION SYSTEM

The system provides users in tactical mobile platforms (Tank/APC, Command & Control Vehicles, Surveillance Vehicles, 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 the system.

General Features

Main Unit

- Radio Connection
 - 4 Analog Audio Interfaces
 - 2 ETHERNET Interfaces for Audio, Data and Control
 - 4 ETHERNET Interfaces for Data and Control
- ETHERNET Interface for System Unit / Auxiliary Main Unit / Handheld Control Unit / ETHERNET Switching Unit / PC Connection
- PoE Interface for System Unit / User Units
- Headset Interface
- Handset Interface

System Unit-I

- Handheld Control Unit / PC Interface
- Headset Interface

System Unit-II

- Handheld Control Unit / PC Interface
- PRC-5712 Soldier Radio Control Interface
- Headset Interface
- Internal Loudspeaker and Microphone

System Unit-III

- Handheld Control Unit / PC Interface
- 2 Headset Interfaces
- Operable by 2 Users Independently and Simultaneously

External System Unit

- Headset / Handset Interface
- 2-Wire Field Telephone Interface
- Suitable for use outside the platform

User Unit

- Headset Interface

Auxiliary Main Unit

- Exchange Interface (6xCO+PRI)
- Fiber Optic Interface
- CAN Bus Interface

Handheld Control Unit

- 7" Touch Screen
- Management Software for System Configuration
- Application Software for System Functions

ETHERNET Switching Unit

- 8 ETHERNET Ports (To Increase the Number of Users in the System)
- 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.

MIL-STD-1275E Power

MIL-STD-810F Environmental Specifications

MIL-STD-461E EMI/EMC Compatibility

Functional Features

- IP Switching Infrastructure
- Ability to Increase the Number of Users by Means of IP Based Infrastructure
- Compatibility with IP Based Systems
- Simultaneous Voice and Data Communication is Achieved Through IP Infrastructure
- Clear and Intelligible Voice Communication Using Noise Reduction Techniques
- VoIP
- Compatibility with ASELNAN Radios' Waveforms
- 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 the System
- ETHERNET Control Interface (Raw ETHERNET, SNMP) Enables the Control of Radios Connected to the System
- 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 Alerts and Visual Alerts
- PoE capability Between System Units
- Compatible with ZAMBAK Headsets Which Possesses ANR Property
- 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 System
- Capability to Control the Volume of Each Headset / Handset
- In Tactical Field Where the Intercommunication of Two Platforms Need to be United, Cascade Connection of Two Systems is Provided
- Capability to Record Voice Communication
- Capability to Configure VLAN's
- Capability to Transfer Voice Between Different Type of Radios Which are Connected to the System (Retransmission)
- Capability to Perform Static IP Routing
- Easy Integration and Installation due to its Modularity
- Easy Maintenance