

SYSTEM INTERKOM

Integrated vehicle communication system





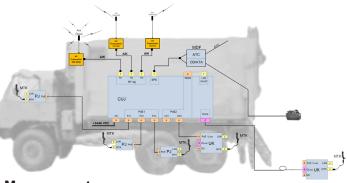
Basic features

- Integrates the VoIP phone, FXO, FXS, the radio gateways, the serial data links, the command post network, etc. in reliable system.
- INTERKOM System units are:
 - CUJ Central management unit
 - UK Operator unit
 - PJ User unit
- User types are:
- Operator main member of the crew, maintains whole system and has access to all system services
- Commander member of the crew with limited access uses UK
- User member of the crew who takes part in sevices over PJ, FXO, FXS, Radio, Remote User (UR)

Services

INTERKOM System services are:

- Calling
- Call forwarding
- Internal communication with radio (UHF, VHF)
- Conference call
- Urgent call
- Communication between vehicles (connecting two CUJ unit via optical/electrical Ethernet port)
 - Dislocating one user to connected system
 - Communication between both system operators
 - Remote access over UK with local DC power supply provided
- Sharing data within the vehicle and communicating data with other vehicle
- Radio management channel forwarding and data transfer to radio device over serial interface.



Management

- Supervision and management is realized by:
 - Computer (PC), over the management interface (CUJ - LAN). System has embedded WEB Server enabling management through standard Web Browser on any operating system.
 - Device's front panel (Tasters and LEDs) for basic supervision, management and change of predefined configurations

Additional functional characteristics

- Ethernet ports have support for up to 8K MAC address entries with automatic learning and aging
- Full duplex, Half duplex, Flow Control
- Egress tagging/untagging selectable per port or by 802.1Q VLAN ID
- Quality of service (QoS) support with four traffic classes
- Software/Firmware field upgrade support, gold configuration, up to 4 predefined configurations
- Self-Testing of all hardware and software bloks is followed with sound and LED indication.

Technical data

 Power Supply 	Nominal 24 or 48
• Dissipation (PoE not included)	up to 55 W
 Consumption 	CUJ: up to 25W
• UK:	up to 8W
• PJ:	up to 3W
• Weight	CUJ: 9000gr
	UK: 3000gr
	PJ: 1000gr

- Operating temperature rang (ETSI 3.3) -15°C to +55°C
- Ingress Protection Rating
- · Vibration and shock resistant



VDC

