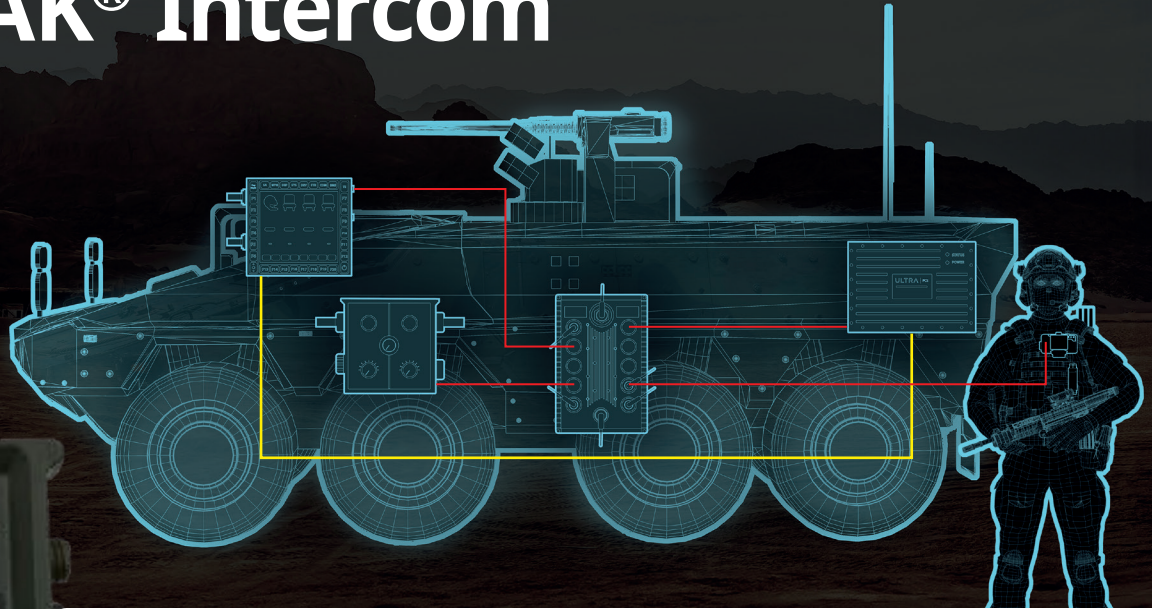




# UltraEAK® Intercom

Truly open,  
modular &  
scalable Data  
and Power.



## Key features

- Tactical network for digital transformation
- High-speed tactical network for mission critical communications
- Open vehicle architecture for easy integration
- Voice and data communication

## Overview

The UltraEAK® Intercom is a versatile, rugged and reliable integrated communications and network solution for military applications in harsh tactical and mobile environments. It is suitable for deployment on both wheeled and tracked combat vehicles alongside utility and logistics platforms. The UltraEAK® Intercom is a full IP system that facilitates the convergence of voice and data (including video) services for collaborative engagement in mission critical operations. It serves as a unified communications platform to provide interoperability between heterogeneous communications systems (IP and non-IP).



Ultra PCS

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# Intercom

## Specifications

	Size (mm)	Weight (kg)	Dual GbE Ring	MIL-STD-1275	Crew Access	Binaural I	Radio Ports	RS-232	Voice Ethernet	Data Ethernet	VFD Display	Loudspeaker	Alarm Inputs
Single Crew Unit (SCU)	135W x 130H x 67D	1.5	Y	Y	1	Y	2	2	2	2	Y	Y	3
Dual Crew Unit (DCU)	135W x 130H x 67D	1.5	Y	Y	2	Y	2	2	2	2	-	-	-

## Communications System

- VoIP base Session Integration Protocol (SIP) and secure SIP
- Dual Ring Gigabit Ethernet Backbone – configurable to operate in fallback mode without performance degradation
- System and radio management

## Power supply

- 18-36 VDC input, MIL-STD-1275 compliant distributed power supply

## Input / Output

- Ethernet (IP Phone / IP Radio / Data Terminals)
- RS232
- Analogue audio (4-wire Tx / Rx / PTT)
- Analogue alarm inputs and loudspeaker outputs

## Environmental and EMI / EMC Qualifications

Operating Temperature	MIL-STD-810G
Storage Temperature	MIL-STD-810G
Solar	MIL-STD-810G
Fungus	MIL-STD-810G
Vibration	MIL-STD-810G
Shock	MIL-STD-810G
Salt Fog	MIL-STD-810G
Humidity	MIL-STD-810G
Ingress Protection	IP68 (Water Submersion at 1m)
EMI/EMC	MIL-STD-461E
Vehicular Supply Standard	MIL-STD-1275D



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