



# MILTOPE

A company of ST Engineering North America



## VECOM VEHICULAR INTEGRATED COMMUNICATIONS SYSTEM

VECOM is an advanced compact IP-based integrated voice and data communications system. It provides a common network platform, serving as a super highway to facilitate integration of various C4I (Command, Control, Communications, Computers and Intelligence) systems. This enhances interconnectivity, survivability and interoperability. The robust and ruggedized VECOM facilitates collaboration which helps to increase workgroups command and control efficiency on tactical vehicles operating in harsh environments.



# TECHNICAL SPECIFICATIONS

## COMMUNICATIONS SYSTEM

VoIP base Session Initiation 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

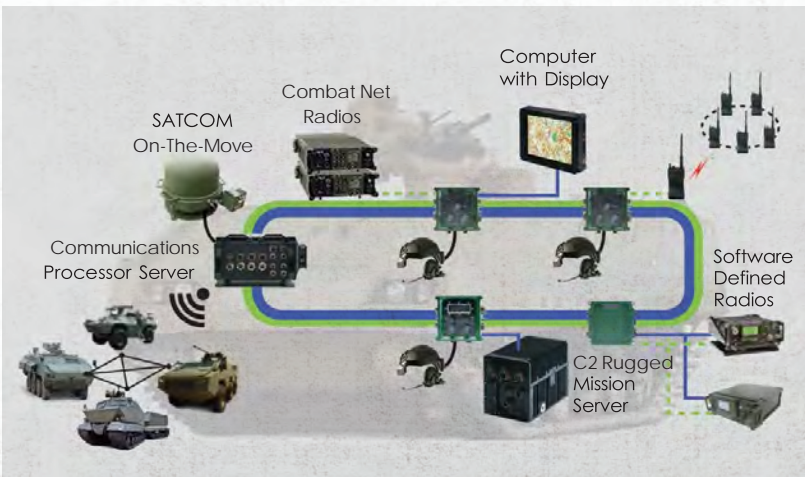
18-36 VDC input, MIL-STD-1275 compliant distributed power supply

## NEED TITLE FOR SECTION

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

## ENVIRONMENT AND EMI/EMC QUALIFICATIONS

Operating Temperature	MIL-STD-810G (-40°C to +60°C)
Storage Temperature	MIL-STD-810G (-55°C to +71°C)
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



# OUR SERVICES

- System conceptualisation and design
- Manufacturing and procurement
- Implementation
- System integration
- Testing and commissioning
- Documentation and training
- Supply support
- Warranty and maintenance

## ACCOLADES

- CRP (Congrès de la Radiocommunication Professionnelle) Outstanding Product Trophy for SuperneT Radio Gateway
- Asia Pacific ICT Awards (APICTA) – Merit Prize (Communication Applications Category) for SuperneT Integrated Communications System
- Infocomm Singapore Awards for SuperneT Integrated Communications System
- IES Prestigious Engineering Achievement Award for SuperneT Integrated Communications System

## PATENTS

- Voice over the Internet Method and System [SG: P-No 152824 (WO 2008/069754)]
- Un-interrupted VoIP Radio Gateway Services through Clustering [SG: P-No 143323 (WO 2007/0700009)]
- Wireless Communication System [SG: P-No 120810 (WO 2005/067165)]
- Redundant Power Supply for Power-Over-Ethernet [SG: P-No 132094 (WO 2006/052217)]
- Dual Mode ISDN S/U Interface Converter [SG P-No 88454 (WO 02/84983)], [US 7,016,374 B2]