



RELIABLE IN THE EXTREME.

VECOM

IP-BASED SYSTEM

VEHICULAR INTEGRATED COMMUNICATIONS SYSTEM

Integrated voice and data communications engineered for mission-critical tactical vehicle operations.

KEY FEATURES



IP-Based Voice & Data Communications



Supports C4I Systems



MIL-STD-810 Qualified



IP68 Environmental Protection



Dual Crew Unit Architecture



Ruggedized Design



Integrated Radio & Intercom Services



Tactical Vehicle Integration



MIL-STD-461 EMI/EMC Qualified



MIL-STD-1275D Vehicle Power Compatible



PRODUCT OVERVIEW

VECOM Carbon is a compact IP-based integrated voice and data communications system designed for tactical vehicle platforms. It enables seamless integration of C4I systems while improving interoperability, survivability, and crew communication. Supporting dual crew units with integrated radio and intercom services, VECOM Carbon delivers reliable communications for mission-critical operations.



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ABOUT VECOM



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(334) 284-8665



ENGINEERED &
MANUFACTURED
IN THE USA

TECHNICAL SPECIFICATIONS & CAPABILITIES

Explore the communications architecture, power requirements, environmental qualifications, and system capabilities that make VECOM Carbon a dependable solution for tactical vehicle communications.

COMMUNICATIONS

Voice Protocol	VoIP Session Initiation Protocol (SIP) & Secure SIP
Ethernet	10/100 Ethernet Ring Backbone
Network	Voice & Data Distribution
Radio Management	Integrated System Radio Management

POWER

Input Voltage	18–36 VDC
Vehicle Standard	MIL-STD-1275D Compliant Distributed Power Supply

PROTOCOLS & INTERFACES

Ethernet	IP Phone / IP Radio / Data Terminals
RS232	Serial Communications
Analog Audio	4-Wire Tx / Rx / PTT
Alarm Inputs	Integrated
Loudspeaker Outputs	Supported

MECHANICAL / ENVIRONMENTAL

Solar	MIL-STD-810F
Fungus	MIL-STD-810F
Vibration	MIL-STD-810E
Shock	MIL-STD-810E
Salt Fog	MIL-STD-810E
Humidity	MIL-STD-810G
Ingress Protection	IP68
EMI / EMC	MIL-STD-461E
Vehicular Power	MIL-STD-1275D
Temperature	Operation: MIL-STD-810G (-40°C to +63°C) Storage: MIL-STD-810G (-55°C to +71°C)

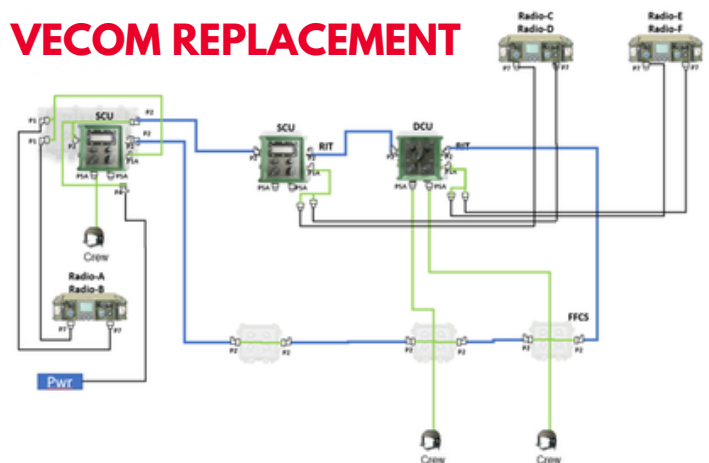
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IP-BASED SYSTEM

PRODUCT CONFIGURATIONS



VECOM REPLACEMENT



★ QUALITY & RELIABILITY

Engineered for mission-critical vehicle communications where reliability, interoperability, and survivability are essential. VECOM Carbon delivers secure voice and data communications that integrate seamlessly into tactical vehicle platforms and modern C4I networks.



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