

# VoIP Adapter (VOAD) Gateway

*Translating Analog Devices to a Voice over IP (VoIP) Infrastructure*



*Single VOAD shown in 3 slot 1U tray*

Designed for two-way analog to VoIP translation

Configurable to translate audio for radios or voice switches

EUROCAE ED-137 compatible

Simple Network Management Protocol (SNMP) V1, V2c and V3 for supervision

2 Ethernet ports

Compatible with the GD Remote Control Unit (RCU)

## Overview

The General Dynamics VoIP Adapter (VOAD) is a Voice over Internet Protocol Gateway that interfaces analog voice channels to and from an IP system. The VOAD can be configured to transition analog voice for a Ground Radio System (GRS) or a Voice Communication System (VCS) to a VoIP system.

VOAD interfacing capabilities include:

- CM-300(V2) series VoIP radios to a legacy analog (VCS)
- Remote Control Unit to CM-300 (V2) VoIP radios and URC-300 transceiver
- URC-300, URC-200 or CM-300 (V1) analog radios to an IP network

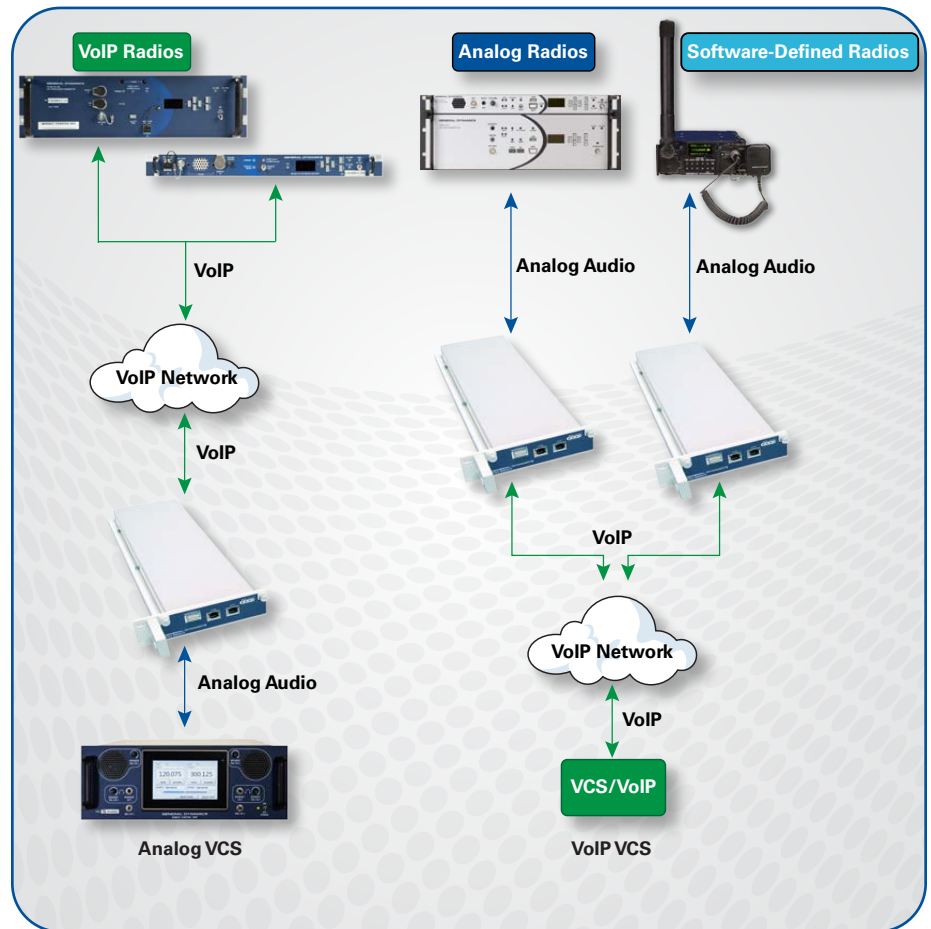
VOAD modules can be used as standalone units or inserted into a standard 1U support frame, with up to 3 VOAD modules available per tray.

The VOAD is compatible with the EUROCAE ED-137 standard.

# VoIP Adapter (VOAD) Gateway

## Technical Specifications

- **Standards**
  - EUROCAE ED-137
  - SNMP
- **Analog Audio interface**
  - Max audio input level: +10dBm / 600  $\Omega$
  - Programmable audio output level: -30 to 0 dBm / 600  $\Omega$
- **IP technology**
  - VoIP
  - SNMP
  - 2 Ethernet ports
- **Mechanical characteristics of the 19 inch rack mountable tray**
  - Width: 5.5 in
  - Overall depth: 17 in
  - Height: 1.75 in, (1U)
  - Weight: 2.5 lb
- **Mechanical characteristics of the rack mountable frame**
  - Width: 19 in
  - Overall depth: 17 in
  - Height: 1.75 in (1U)
  - Weight: 2 lb
- **Environmental**
  - Operating: between -20°C and +55°C
  - Relative humidity: 95 % at +40°C (noncondensing)
  - Storage: from -30°C to +80°C
- **Power (per VOAD)**
  - 24 VDC (21-31 VDC)
  - < 1.5A
  - Power converter for 110/220 50/60 Hz operation included
- **Cables**
  - Interface cables available
- **Hardware Configurations Available**
  - Available with 1, 2 or 3 VOADs in a 1U 19" rack mountable frame



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