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 Ω
  • Programmable audio output level: -30 to 0 dBm / 600 Ω

■ 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