

VARIABLE MESSAGE FORMAT (VMF) DATA MODEMS

Datasheet

There is no such thing as a VMF Data Modem or Terminal! Instead, there are many different types of 'VMF capable' Data Modems. They vary according to size, capability and the type of platform to which they are fitted.

Numerous types of Data Modem including: Internet Controller (INC); TCIM - now replaced by TacLink; Improved Data Modems (IDM); Integrated systems such as the F/A-18 DCS; Tadiran Tacter - USMC DACT.

INC:

- Based on a CISCO IP Router
- Packet Mode (Tactical Internet) only
- No landline capability
- No legacy link support e.g. TACFIRE
- Not interoperable with TacLink

TCIM – TacLink: (pictured below)

- No built-in IP/Routing capability
- No Packet Mode
- Landline support
- Legacy link support e.g. TACFIRE
- Not interoperable with INC
- Numerous versions - desktop to PCMCIA



TACTER - DACT:

- Ruggedised laptop
- Small and larger versions available
- Combined Data Modem and Display
- Connects to various radios
- Used by USMC

About SyntheSys

SyntheSys provides defence systems, training, systems and software engineering and technical management services over a spectrum of different industry sectors. Along with distinct support and consultancy services, our innovative product range makes us first choice provider for both large and small organisations. Established in 1988, the company focus is on fusing technical expertise with intuitive software applications to solve common industry challenges.

F/A-18 DCS:

- Integrated with the ACR-210 RT-1824(C) Very High Frequency (VHF), Ultra High Frequency (UHF), & Satellite Communications (SATCOM) radio
- SINCGARS and HAVEQUICK capable
- 'Elegant' solution but can be difficult to upgrade or modify

IDM: (pictured below)

- No agreed definition of what an IDM is
- Numerous manufacturers - e.g. ICI (eLBIT), GD-UK, Symetrics
- Numerous form versions - ATR to PCMCIA
- Some have an integrated VMF solution others require VMF support to be provided in the host system
- Numerous radios and protocols supported
- LAN, MIL-STD-1553 and other interfaces available Imagery can be supported
- Can be made interoperable with most other data modems

