Roll On Roll Off

Aero Satcoms
Roll On/Roll Off Aero Satcoms

Now you can fit satcoms to your C-17 or C-130 without drilling any holes.

A Roll On/Roll Off solution provides high bandwidth satellite communications capable of supporting data intensive C4ISR operations on-board C-130 and C-17 aircraft. The RORO solution includes a Viper satcom terminal coupled with a Hatch Mounted Inmarsat Antenna (or in the case of the C-17, the Viper will work with the factory installed Tecom antenna, already on the aircraft).

Honeywell eNfusion Viper II

The Honeywell eNfusion Viper II terminal is a ruggedised and palletised High Bandwidth Satellite Communications terminal. The viper solution includes a CNX router for seamless internal connectivity. It provides voice and data connectivity over the Inmarsat network and can operate in three modes: C130, C17 and Ground Mode.

Ground Mode

➤ The Viper can operate in stationary mode, with HMIA or an optional ground antenna
➤ Supports austere forward operational command posts or missions.
C-130

Satellite access via a Hatch Mounted Inmarsat Antenna (HMIA)

The HMIA fits in the forward hatch and provides the option to use both channels of SwiftBroadband if required.

The Viper comes complete with an type F DLNA and Antenna Control Unit with a 1553 nav data input converter.

Included cable length is ~ 35ft for installation flexibility

Viper will operate on both SwiftBroadband and legacy Swift 64 Inmarsat services.

Escape hatch functionality is unaffected

SwiftBroadband

- Dual SwiftBroadband channels for flexible data usage
- Background class: up to 432 kbps per channel
- Streaming class of 64, 128, 256 kbps per channel, billed per minute
- Streaming channels can be bonded for high definition video
- Voice

Swift 64 (billed per minute)

- 4 Swift 64 ISDN channels
- Max 256 kbps bonded
- Voice
C-17

The configuration for the C-17 provides a true Roll On/Roll Off function as the aircraft comes equipped with a Tecom T-4000 antenna and an interface panel within the cargo area.

It can be readily loaded onto a C-17 aircraft utilising the existing Tecom T-4000 antenna and interface connections.

- The Viper has a rack slot for the Tecom Beam Steering Unit
- A Tecom BSU (optional) can be supplied with the RORO solution
- C-17 cable kit is included (Tx, Rx, Power, Control)
- Using an existing C17’s antenna, upon application*, the Viper can operate on Swift Broadband or on a legacy Swift 64 Inmarsat service.

*Swift Broadband capability must be approved as a complete installation

Swift Broadband
- Single channel
- Background class: up to a max 432kbps
- Streaming class: 64,128,256 kbps, billed per minute
- Voice

Swift 64 (billed per minute)
- 2 x Swift 64 ISDN channels
- Max 128 kbps bonded
- Voice
Installed system does not block egress.
How to buy

Inmarsat products and services are available through select Inmarsat distribution partners and service providers.

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