

inmarsat HIGH GAIN

MPHS

Multi-
Purpose
Hatch
System

R4 Integration, Inc. (R4) has developed the next generation C-130 Multi-Purpose Hatch System (MPHS) for installing customized airborne antenna and sensor configurations. The **0009A3000-10-50 MPHS** includes a Honeywell eNfusion AMT-700 antenna system designed for airborne applications. It is used to receive and transmit voice and data to and from the aircraft via the Inmarsat satellite network. By replacing the existing forward escape hatch, the MPHS provides a "Roll On/Roll Off" (RO/RO) rapid installation, **without modification** to the aircraft to meet any short notice and critical communication needs. R4 provides a complete "turnkey" solution to include a Viper II terminal, a palletized SATCOM transceiver that can support up to four simultaneous Swift64 calls in flight and on the ground. The four full-duplex 64 kb/s channels can provide up to 256 kb/s of bandwidth.

#US 9,016,631 B2,
FAA STC #ST02495LA
and DoD certified.



ANTENNA FEATURES

- BILLET ALUMINUM CONSTRUCTION
- NO MODIFICATION TO AIRCRAFT
- FIELD REPLACEABLE SEALS AND HARDWARE
- FAA/DoD CERTIFIED
- Honeywell eNfusion AMT-700 Antenna System

SPECS

HEIGHT ABOVE AIRCRAFT: 18.5" (MAX)
WEIGHT: 31 lbs.

FREQUENCY

Receive: 1525.0 - 1559.0 GHz
Transmit: 1626.5 - 1660.5 GHz

GAIN (TYP)

+13.5 dBic 100 percent of the Inmarsat coverage volume

INMARSAT

Class 6 multi-channel assessed
(SwiftBroadband, Aero H/H+, Swift 64)

R4
INTEGRATION

850.226.6913

info@r4-integration.com

PART NUMBER:
0009A3000-10-50