



**PART NUMBER:**  
**0009A3000-10-70**

## **MEXSAT High Gain Multi-Purpose Hatch System (MPHS)**

- ▶ **BILLET ALUMINUM CONSTRUCTION**
- ▶ **NO MODIFICATION TO AIRCRAFT**
- ▶ **FIELD REPLACEABLE SEALS AND  
HARDWARE**
- ▶ **FAA/DoD CERTIFIED**
- ▶ **HONEYWELL eNFUSION AMT-700  
ANTENNA SYSTEM**



R4 Integration, Inc. (R4) has designed and built the next generation C-130 Multi-Purpose Hatch System (MPHS) for installing customized user configurations of airborne antennas or sensors. The 0009A3000-10-70 MPHS includes a Honeywell eNfusion AMT-700 antenna system designed for airborne applications. By replacing the existing forward escape hatch, the MPHS provides the customer a “Roll On/Roll Off” communications capability *without modification* to the aircraft, allowing for rapid installation to meet short notice or critically needed communication capabilities. The MPHS is used to receive and transmit voice and data from aircraft via the MEXSAT satellite network.

R4 provides a complete “Turn Key” 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.

### **SPECIFICATIONS**

#### **ELECTRICAL**

##### **Frequency**

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

##### **Gain (typical)**

+13.5 dBi over the MEXSAT coverage volume

##### **MEXSAT**

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

#### **MECHANICAL**

##### **Height Above Aircraft**

18.5 Inches

##### **Weight**

31 LBS

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