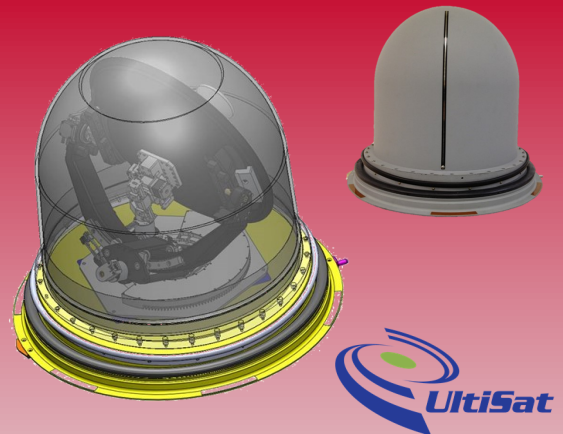




**PART NUMBER:**  
**0009A3000-10-610**

## **X/Ku Band SATCOM Multi-Purpose Hatch System (MPHS)**

- ▶ BILLET ALUMINUM CONSTRUCTION
- ▶ NO MODIFICATION TO AIRCRAFT
- ▶ FIELD REPLACEABLE SEALS AND HARDWARE
- ▶ FAA/DoD CERTIFIED
- ▶ 45CM PARABOLIC ANTENNA
- ▶ DUAL BAND X/KU BAND SATCOM



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 0009A3000-10-610 MPHS includes a 45cm X/Ku 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 over virtually any X/Ku band satellite network.

R4 provides a complete “Turn Key” solution to include a SelectTech C-130 Roll-on/Roll-off (RO/RO) SATCOM Kit BLOS, Voice/Data capability with an integrated Intercommunication System for multiple operators, aircraft interface/control, and ground station capability.

### **SPECIFICATIONS**

#### **ELECTRICAL**

|                  |          |  |
|------------------|----------|--|
| <b>Frequency</b> | X Band:  | Receive: 7.25 - 7.75 GHz<br>Transmit 7.9 - 8.4 GHz   |
|                  | Ku Band: | Receive: 10.95—12.75 GHz<br>Transmit: 13.75—14.5 GHz |

|                         |            |                       |
|-------------------------|------------|-----------------------|
| <b>Antenna Tracking</b> | Azimuth:   | 360° (70deg/sec)      |
|                         | Elevation: | 0 – 100° (65 deg/sec) |
|                         | Roll:      | +/- 20° (50 deg/sec)  |

|                  |                       |
|------------------|-----------------------|
| <b>Interface</b> | 10/100 BaseT Ethernet |
|------------------|-----------------------|

#### **MECHANICAL**

|                              |                   |
|------------------------------|-------------------|
| <b>Height Above Aircraft</b> | 18.5 Inches (MAX) |
| <b>Weight</b>                | 57 LBS            |

**R4 Integration, Inc.**  
**45 Beal Parkway, NE**  
**Fort Walton Beach, FL 32548**  
**Patent # US 9,016,631 B2**  
**FAA STC # ST02495LA**

**<https://r4-integration.com>**  
**Email: [info@r4-integration.com](mailto:info@r4-integration.com)**