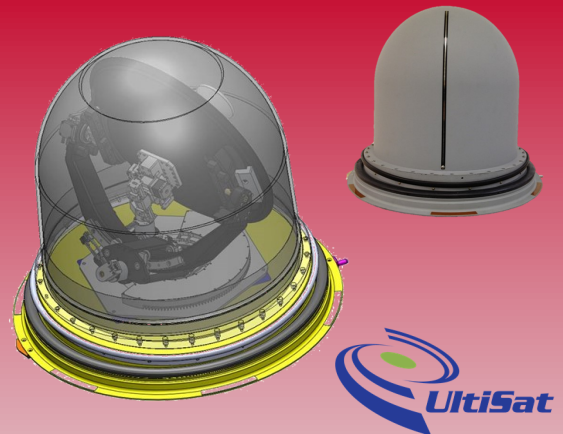




PART NUMBER:
0009A3000-10-630

Ka 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
- ▶ KA 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 0009A3000-10-630 MPHS includes a 45cm Ka band 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 Ka 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

Frequency	Ka Band:	Receive:	18.3—21.2 GHz
		Transmit:	28.1—31.0 GHz
Antenna Tracking	Azimuth:	360° (70deg/sec)	
	Elevation:	0 – 100° (65 deg/sec)	
	Roll:	+/- 20° (50 deg/sec)	
Interface	10/100 BaseT Ethernet		

MECHANICAL

Height Above Aircraft	18.5 Inches (MAX)
Weight	57 LBS

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