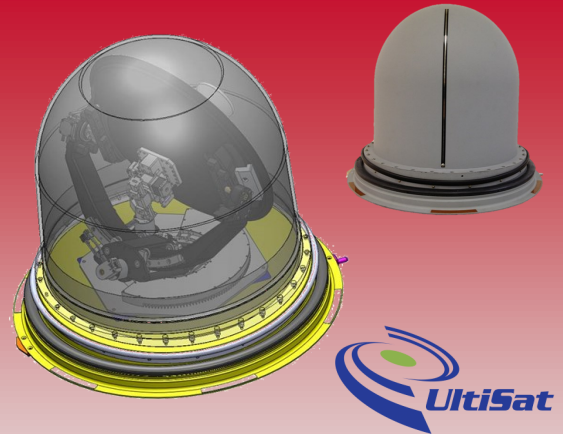




PART NUMBER:
0009A3028-10-010

Ku/Ka Band SATCOM Multi-Purpose Hatch System (MPHS)

- ▶ BILLET ALUMINUM CONSTRUCTION
- ▶ NO MODIFICATION TO AIRCRAFT
- ▶ FIELD REPLACEABLE SEALS AND HARDWARE
- ▶ FAA/DoD CERTIFIED
- ▶ SKYTECH BB45CM OR BB30CM
- ▶ DUAL BAND SYSTEM AVAILABLE IN KU, KA OR X 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 0009A3028-10-010 MPHS includes a SkyTech BB45cm or BB30cm 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 Ku/Ka or X band satellite network.

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

SPECIFICATIONS

ELECTRICAL

Frequency	Ku Band:	Receive:	10.95-12.75 GHz
		Transmit:	13.75-14.5 GHz
	Ka Band:	Receive:	18.3 - 21.2 GHz
	X Band:	Receive:	7.25 - 7.75 GHz
		Transmit:	7.9 - 8.4 GHz

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

Interface	10/100 BaseT Ethernet
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MECHANICAL

Height Above Aircraft	18.5 Inches (MAX)
Weight	57 LBS

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