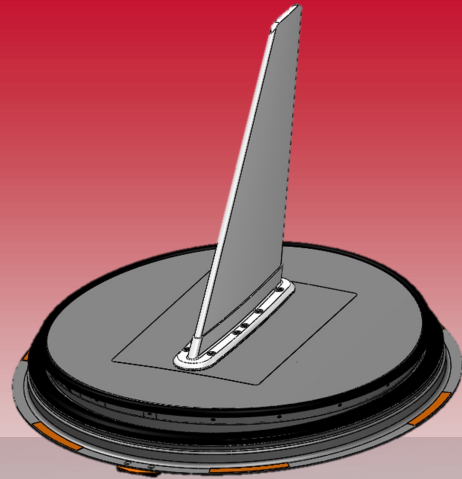




PART NUMBER:
0009A3000-10-130

V/UHF Multiband Multi-Purpose Hatch System (MPHS)

- ▶ **BILLET ALUMINUM CONSTRUCTION**
- ▶ **NO MODIFICATION TO AIRCRAFT**
- ▶ **FIELD REPLACEABLE SEALS AND HARDWARE**
- ▶ **FAA/DoD CERTIFIED**
- ▶ **FREQUENCY COVERAGE, 30-512, 800 -900, 900-2400 MHz**



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 0009A3000-10-130 MPHS includes a rugged multifunction V/UHF, Cellular Band and High Band LOS antenna 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 compatible with virtually any UHF/VHF communication system.

R4 provides a complete “Turn Key” solution to include a Portable Airborne Communication Terminal (PACT) that provides full 30—2000 MHz LOS, BLOS, Voice/Data capability with an integrated Intercommunication System for multiple operators, aircraft interface/control, and ground station capability.

SPECIFICATIONS

ELECTRICAL

Frequency	Comm Band: 30 - 400 MHz Cellular Band: 800 - 900 MHz High Band: 900 - 2400 MHz
Gain (typical)	-22 dBi average @ 30 MHz -10.0 dBi average @ 88 MHz +0.0 dBi average @ 108-174 MHz +2.0 dBi average @ 225 - 400 MHz -7.0 dBi average @ 800-900 MHz -10.0 dBi average @ 1,000 - 2,400MHz
RF Power	100 Watts

MECHANICAL

Height Above Aircraft	16 Inches
Weight	24 LBS

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