

V/UHF LOS + UHF SATCOM, Dual L-, C-, S-Band & GPS

MPHS

Multi-Purpose Hatch System

R4 Integration, Inc. (R4) has developed the next generation C-130 Multi-Purpose Hatch System (MPHS) for installing customized airborne antenna and sensor configurations. The **0009A3000-10-170 MPHS** includes a rugged multifunction V/UHF LOS, UHF SATCOM, L-, C-, S-Band and GPS antenna designed for airborne applications and is compatible with virtually any UHF/VHF/MILSAT com system. By replacing the existing forward escape hatch, the MPHS provides a "Roll On/Roll Off" rapid installation, **without modification** to the aircraft to meet any short notice and critical communication needs. R4's complete "turnkey" solution includes a Portable Airborne Communication Terminal (PACT) with full 30-2000 MHz LOS, BLOS, Voice/Data capability, an integrated intercom system for multiple operators, aircraft interface/control and ground stations.



ANTENNA FEATURES

- BILLET ALUMINUM CONSTRUCTION
- NO MODIFICATION TO AIRCRAFT
- FIELD REPLACEABLE SEALS & HARDWARE
- FAA/DoD CERTIFIED
- HI ANGLE UHF SATCOM COVERAGE
- LO ANGLE FREQ. COVERAGE, 30 - 512 MHz
- DUAL L-, C-, S-BAND ANTENNAS
- L1 AND L2 GPS

SPECS

HEIGHT ABOVE AIRCRAFT: 12" / WEIGHT: 29 lbs.

FREQUENCY

UHF Hi Angle: 240 - 400 MHz
 V/UHF Lo Angle: 30 - 512 MHz
 Dual L-, C-, 1610 - 1850 MHz, 2400 - 2500 MHz
 S-Band: 4400 - 5850 MHz
 GPS: 1564 - 1587 / 1216 - 1239 MHz

GAIN (TYP)

Hi Angle: +6.5 dBiC @ Zenith
 Lo Angle: -20 dBi @ 30 MHz,
 -8.0 dBi @ 88 MHz
 -5.0 dBi average 118 - 174 MHz
 +2.0 dBi average 225 - 512 MHz
 L-, C-, S-Band: +2.0 dBi
 GPS: +3.0 dBiC @ Zenith

RF POWER

Hi Angle: 200W CW
 Lo Angle: 50W VHF, 200W (225 - 512 MHz)
 L-, C-, S-Band: 50W
 GPS: 1W



850.226.6913

info@r4-integration.com

**PART NUMBER:
0009A3000-10-170**