

V/UHF SATCOM & 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 **0009A3000-10-90 MPHS** includes a rugged V/UHF SATCOM and GPS antenna designed for airborne applications and is compatible with virtually any V/UHF SATCOM 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.



#US 9,016,631 B2, FAA
STC #ST02495LA and DoD certified.

R4
INTEGRATION

850.226.6913
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ANTENNA FEATURES

- BILLET ALUMINUM CONSTRUCTION
- NO MODIFICATION TO AIRCRAFT
- FIELD REPLACEABLE SEALS & HARDWARE
- FAA/DoD CERTIFIED
- HI ANGLE UHF SATCOM COVERAGE
- LO ANGLE FREQUENCY COVERAGE
30 - 88 MHz, 118 - 152 MHz, 225 - 400 MHz
- L1 AND L2 GPS

SPECS

HEIGHT ABOVE AIRCRAFT: 8.75"
WEIGHT: 28 lbs.

FREQUENCY

Hi Angle: 240 - 400 MHz
Lo Angle: 30 - 88 MHz
118 - 152 MHz,
225 - 400 MHz
GPS: 1565 - 1586 / 1217 - 1238 MHz

GAIN (TYP)

Hi Angle: +4.5 dBiC @ Zenith
Lo Angle: +2.0 dBi @ LOS,
GPS: +4.0 dBiC @ Zenith

RF POWER

30 - 88 MHz 50W
118 - 174 MHz 50W
225 - 400 MHz 200W
GPS: 1W

PART NUMBER:
0009A3000-10-90