



LESA BLADE KU AIR

KEY FEATURES:

> Multi orbit constellations

> All in one solution

> No moving parts

> Short transition time

> worldwide satellite networks

> Easy set-up and operation

Tx

Weight
12 Kg (26 lb)
System Size (W/H)
44 CM (17.3") X 35 CM (14")

Max G/T	Max EIRP
N.A	46.5 dBW

Power Consumption
285 Watt (P1dB)

Rx

Weight
18 Kg (39.6 lb)
System Size (W/H)
49 CM (19.5") X 49 CM (19.3")

Max G/T	Max EIRP
11.5 dB / K	N.A

Power Consumption
250 Watt (dual beam)

WHY LESA BLADE?

LESA Blade Ku band air terminal is a low-profile, fully electronically steerable antenna (ESA) with no moving parts. Designed for in-flight connectivity, the terminal enables short acquisition time, and allows for high dynamic tracking enabling best performance.

The Ku version includes a TX panel, RX panel, and an antenna management unit (AMU), allowing flexible installation options for different airborne applications. Supports Multi-Orbit, Multi constellation architectures, enabling switching from GEO to LEO instantly, in flight.

RF

Tx Frequency	13.75-14.5 GHz
Rx Frequency	10.7-12.75 GHz
Polarization	V/H Linear/Circular SW controlled

SYSTEM

Azimuth	Continues coverage over full 360°
Elevation	10° to 90° Electronically steerable antenna
Control Technique	Combined IMU / RSSI / GPS (Optional)
Velocity Azimuth	>500° / Sec. Elevation >500° / Sec
Initial Acquisition Time	<30 sec
Re-Acquisition time	<100ms
Management	Ethernet
Power Input	28V - Depend on configuration

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