

## LP85 / LP100

**85CM / 1M MILITARY GRADE**  
Ku- or Ka-band Man-Pack Antenna System



### KEY FEATURES

- 85cm & 1m Auto Acquire Antenna
- Automatic Acquisition and Tracking 2-axis motorized pedestal
- Quick Deploy and Commissioning
- Fail-Safe Operation with Manual Pointing
- Reflector Optimized for Both Ku-and Ka-Band
- Ruggedized Lightweight Structure
- Remote Control via Web-based Smart User Interface
- Man-Portable Package & Airline Checkable

# LP85 / LP100

## TECHNICAL SPECIFICATIONS

SIZE & WEIGHT	LP85	LP100
Reflector Diameter	85 cm	105 cm
Weight (Antenna only)	45.5 Kg	47 Kg
No. of Packages	2 packages	2 packages

## RF SPECIFICATION - KU-BAND

TX Frequency	13.75 GHz ~ 14.5 GHz	13.75 GHz ~ 14.5 GHz
TX Gain	> 39.0 dBi	> 41.0 dBi
RX Frequency	10.95 GHz ~ 12.75 GHz	10.95 GHz ~ 12.75 GHz
RX Gain	> 37.5 dBi	> 39.5 dBi
G/T	>17.0 dB/K @ 11.85 GHz	>18.4 dB/K @ 11.85 GHz
VSWR	1.5 : 1	1.5 : 1
BUC Options	8W/16W EXT	8W/16W EXT
LNB	Intellian Global PLL LNB	Intellian Global PLL LNB
Polarization	Linear	Linear

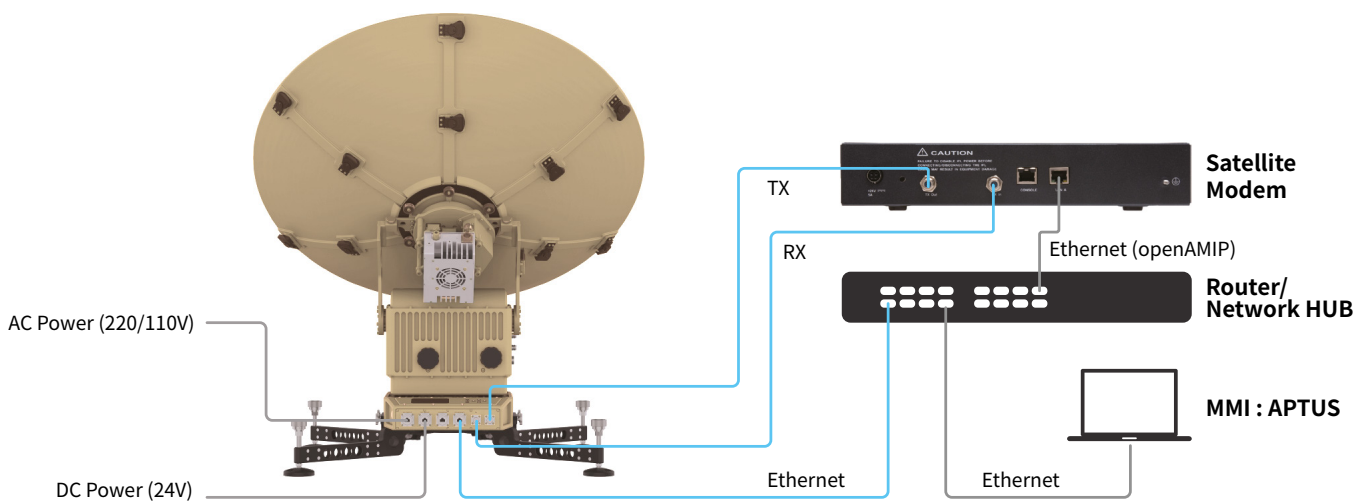
## CONTROL SPECIFICATION

Azimuth	±100°, Motorized
Elevation	5°~90°, Motorized
Pointing Accuracy	≤0.2° (rms)
Power Input	90~260V AC @47~64 Hz

## ENVIRONMENTAL SPECIFICATION

Temperature	Operational : -20°C ~ +60°C Storage : -40°C ~ +70°C
Wind Loading	Operational : 14 m/ sec Survival : 17.8 m/ sec
Vibration (Cargo Transportation)	MIL-STD-810G 514.6C
Shock	MIL-STD-810G 516.6
Humidity	MIL-STD-810G 507.5
Water Proof	IP65
EMI/EMC	KN301489-1

## SYSTEM DIAGRAM



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