



# NUSANTARA FL30 KU-BAND

Nusantara FL30 telah merevolusi bentuk parabola dari sistem komunikasi satelit tradisional. Terminal ini menggunakan antena phased array dengan gain tinggi yang canggih dan mengintegrasikan seluruh komponen sistem komunikasi satelit: sistem antena, unit RF, sistem servo, modem satelit, router nirkabel, dan sistem catu daya—dalam desain yang sederhana dan ringkas, memberikan kemudahan maksimal untuk pasukan dalam beroperasi.



## FITUR UTAMA:

1. Plug and Play (dengan pilihan AC atau DC)
2. Fungsi penentuan arah otomatis
3. All-in-one (modem, BUC, LNB, dan WiFi)
4. Sangat ringan dan portable
5. Penempatan cepat

# SPEKIFIKASI NUSANTARA FL30



Antenna		
Model No.	FL30P-E	
Antenna Type	Horn waveguide array antenna	
Equivalent to parabolic antenna size	0.3m	
RF Performance		
Frequency Range	Tx	13.75~14.50 GHz
	Rx	10.70~12.75 GHz
Polarization	Linear Horizontal / Vertical	
Rx Gain	≥ 31.2 dBi @12.75 GHz	
Tx Gain	≥ 32.5 dBi @14.5 GHz	
G/T	10dB/K, 25° Elevation	
EIRP	44 dBW (16W BUC)	
First Sidelobe	≤ -14dB	
Power And RF Performance		
DC Power Supply	DC24V ±5% (With AC Adapter) 2 External batteries 187.2Wh	
Typical Satellite Modem	Select small-size Modems according to customer requirements, such as IQ200, UHP210/220, etc.	
Typical BUC	8W / 16W	
Power Consumption	8W BUC	85W
	16W BUC	105W
Mechanical Performance		
Satellite Acquisition	Auto pointing to satellite, level error<0.2°	
Azimuth Range	±130°, fine adjustment ±5°	
Elevation Range	0°~ 90°, fine adjustment ±5°	
Polarization	±70°	
Auto Pointing Time	3 minutes(typical)	
Terminal Dimensions (Stowing)	L 13.8 × W 10.5 × H 18.4 in. L 350× W 266× H 467 mm	
Terminal Weight	9.6 kg (with batteries) 21.2 lbs.	
Environmental Performance		
Operational Wind	17m/s (61.2km/h)	
Operational Temperature	-25°C to +50°C	
Ingress Protection	IP67	
Humidity	0 ~ 95%	
Interfaces		
Power	DC Power waterproof aviation connector	
LAN	1× RJ45 10/100/1000	
Other Function		
Wireless Router	IEEE 802.11b/g/n at 2.4GHz Access number: 30 Coverage (Unobstructed):50~100m	
Bluetooth Device	V4.2	
GNSS Device Supports	GPS/GLONASS/BeiDou-2/Galileo	