



1.0 m Automatic Flyaway Terminal

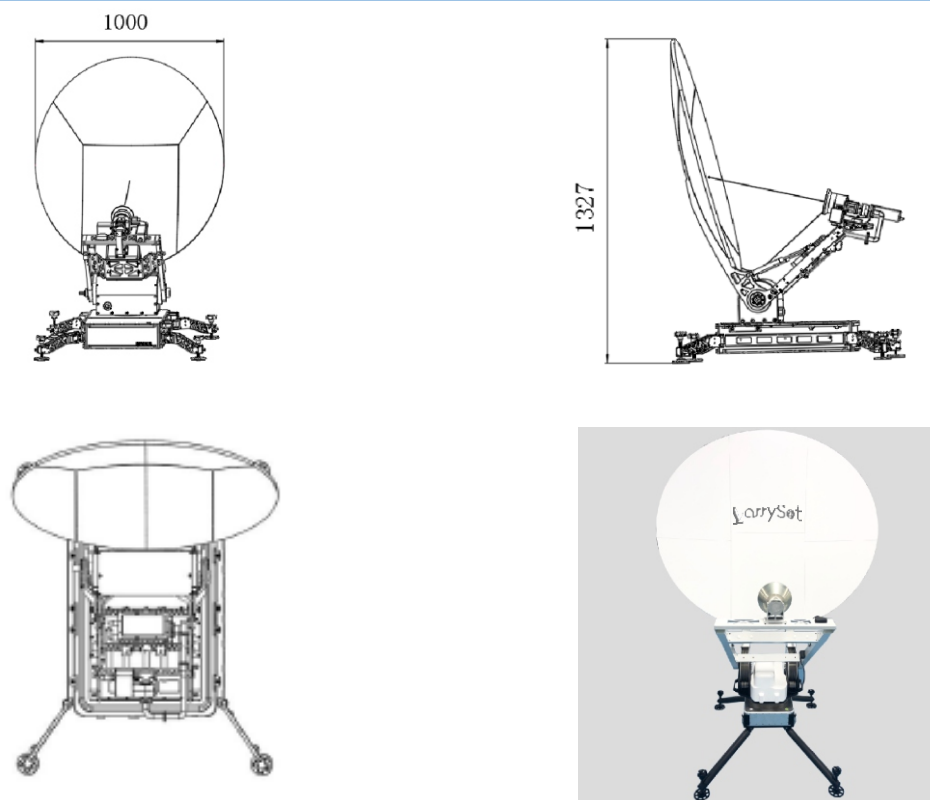
The Series of 1.0 m Automatic Flyaway Terminal is intelligent, integrated design of portable satellite communications equipment. The modular architecture and easy-to-plug components allow the system to be fully assembled in minutes. The system can be upgradeable to the Ka band via the Ku and Ka band kits on site, and suitable used for oil and gas exploration, military communications, disaster management, emergency communications, etc.



FEATURES

- Compact, lightweight and easy to carry
- High performance Carbon Fiber reflector
- Available in Single Panel or Multi Panel
- 3-minute setup
- Replaceable Ku/Ka Feedhorn
- Heavy duty feed arm capable of supporting transceiver

OUTLINE DRAWING(All dimensions in mm)



Notes: This product can be customized according to the actual needs of the user



MAIN SPECIFICATIONS

Наименование	Ku (MDO1000LKA)	Ka (MDO1000CKA)
Электрическая характеристика		
Размер антенны	1.0m	
Тип антенны	Офсетная параболическая	
Материал отражателя	Углеродное волокно	
Частота	Rx: 10.95~12.75Ghz Tx: 13.75~14.50Ghz	Rx: 18.20~20.20Ghz Tx: 28.10~30.00Ghz
Поляризация	Linear	Circular
Усиление	Rx: 39.5 dBi Tx: 40.8 dBi	Rx: 43.2 dBi Tx: 46.8 dBi
КСВ(VSWR)	Rx: $\leq 1.5:1$ Tx: $\leq 1.3:1$	
Кросс поляризация(XPIC)	≥ 33.0 dB (on axis)	
Кэффициент эллиптичности	≤ 1.3 dB	
Механические характеристики		
Азимутальный диапазон	$-100^\circ \sim 100^\circ$	
Диапазон высот	$0^\circ \sim 90^\circ$	
Диапазон поляризации	$\pm 90^\circ$ (Manual)	0° or 180° (Manual)
Точность наведения	$\leq 0.2^\circ$	
Отслеживание	DVB / Beacon Receiver	
Время развертывания	≤ 3 min	
Режим управления	Cable/Bluetooth	
Вес	≤ 28 kg	
Источник питания	110 ~ 230 VAC / 24 VDC	
Потребление	≤ 110 W (Without BUC)	
Размер	1020mm x 580mm x 520mm	
Экологические показатели		
Рабочая температура	$-25^\circ\text{C} \sim 55^\circ\text{C}$	
Температура хранения	$-40^\circ\text{C} \sim 75^\circ\text{C}$	
Скорость ветра	Operational: ≤ 14 m/s Survival: ≤ 18 m/s	
Ливень	≤ 120 mm/h	