



APMA

1.2m Manual Manpack Terminal

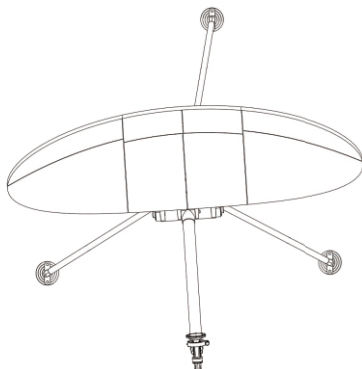
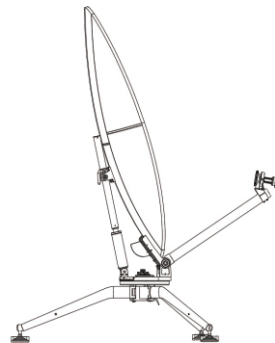
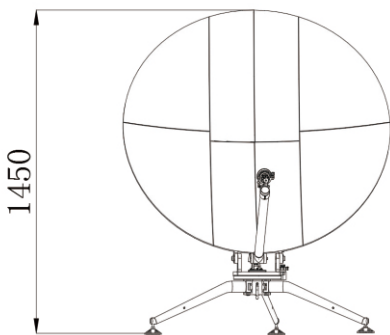
The Series of 1.2m Manual Manpack Terminal is intelligent, integrated design of portable satellite communications equipment. The modular architecture and easy-to-plug components allow the system to be fully assembled in minutes. The system can be upgradeable to the Ka band via the Ku and Ka band kits 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 (MDO1200LKA)	Ka (MDO1200CKA)	
Электрическая характеристика			
Размер антенны	1.2m		
Тип антенны	Оффсетная параболическая		
Материал отражателя	Углеродное волокно		
Частота	Rx: 10.95~12.75Ghz	Rx: 18.20~20.20Ghz	
	Tx: 13.75~14.50Ghz	Tx: 28.10~30.00Ghz	
Поляризация	Linear	Circular	
Усиление	Rx: 41.3 dBi	Rx: 45.2 dBi	
	Tx: 42.4 dBi	Tx: 48.5 dBi	
KCB(VSWR)	Rx: ≤ 1.5:1 Tx: ≤ 1.3:1		
Кросс поляризация(XPIC)	≥33.0 dB (on axis)	N/A	
Коэффициент эллиптичности	N/A	≤1.3 dB	
Вторичный лепесток	-14 dB (first sidelobe)		
Интерфейс терминала эксплуатации и ТО	WR75	Rx: WR42	Tx: WR28
Механические характеристики			
Азимутальный диапазон	-180° ~ 180°		
Диапазон высот	10° ~ 90°		
Диапазон поляризации	±90° (Manual)	0° or 180° (Manual)	
Время разворачивания	≤3min		
Вес	≤15kg		
Размер	870mm x 480mm x470mm		
Экологические показатели			
Рабочая температура	-25°C ~ 55°C		
Температура хранения	-40°C ~ 75°C		
Скорость ветра	Operational: ≤14m/s		
	Survival: ≤18m/s		
Ливень	Operational: ≤120mm/h		
	Survival: ≤230mm/h		
Влажность	5 ~ 95%		