



Communications  
& Technology

## PMA SERIES

Go Anywhere with High Performance



## PMA SERIES

PALS **PMA Series** antenna systems are compact manpack antenna solution is suited to worldwide mobile satellite communications. It can be transported in an IATA weight compliant backpack and integrated within 3 minutes by only one person. Due to the ultra-modular design, no integration tool or special training is needed. **PMA Series** antenna system has a segmented parabolic main reflector which is available in 60, 90, and 120cm with a quick-install feed-arm, feed-horn system, and light-weight and durable tripod support system. It provides remarkably low sidelobes and excellent cross-polar performance. The feed-horn system is available for X, Ku, and Ka Bands.

**PMA Series** antennas come with the options of mobile application **PointSat** and PALS Interface Module, **PIM**. PointSat allows finding satellites without any tools or knowledge. It calculates a target azimuth/elevation position and actual read-out of all axis and guides you to point the antenna and manages the whole process of commissioning automatically. PALS **PIM** has wired, wireless and Bluetooth interfaces and includes any available satellite modems according to requirement with an included battery.

## Key Features

- Assisted manual pointing with guidance sounds and mobile app
- X, Ku and Ka Bands Band options available
- Pre-installed commercially available BUCs, LNBS
- Ku Band or commercial Ka Band prebundle
- Pointing Kit
- Automatic or manual beam selection
- Mobile Device can be located flexibly on the antenna
- Mutable audible indicators
- Ready for transmission in less than 3 minutes
- Easy acquisition without any training or tools
- 40 km/h operational, 65 km/h ballast survival wind load
- High resistance to rugged environmental conditions







## CONFIGURATIONS

### Power Requirements

- 10-36V DC
- 90 – 260 VAC
- 280W (Max)
- External Battery Pack Option for DC Units

### Modems

- Modems may be exchanged at base level maintenance.

### Modem Options

- iDirect e850mp
- Comtech DMD1050
- Paradise-Q-Lite modem
- Elbit – Shiron modem

### Video Encoder Options

- Supports H.264/MPEG2

## COMPATIBILITY

- MIL-STD-810G Compliant
- MIL-STD-461F Compliant
- MIL-STD-188-164A Compliant
- ITU-RS-580 Compliant
- ITU-RS-465-6 Compliant

### Interfaces

- DC Power (Configuration dependent)
- AC Power
- L- Band Tx Interface (External Modem)
- L-Band Rx Monitor
- L-Band Modem Output
- RJ45 Ethernet (x2)
- EIA-530 (Modem dependant)

### Control Interface

- Simple two button operator interface for field level control. Embedded web server for control and Management using external PC for initial base level configuration.

### Positioning

- Interactive user interface providing look angle directions for the selected satellite using positional information from an internal GPS receiver. Integrated beacon receiver provides signal strength for peaking.

## AVAILABLE MODELS

### PMA-60



Scan QR code for more information.

### PMA-90



Scan QR code for more information.

### PMA-120



Scan QR code for more information.

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