



## PMAR-65Ka

### High-Speed Mobile Terminal

The PMAR-65Ka is a rugged, MIL-STD compliant terminal engineered for both military and commercial use in extreme environments. Its advanced antenna feed ensures seamless operation across GEO, MEO, LEO, and HEO orbits, providing a resilient and cost-effective communication.

### Superior Precision

Utilizing a proprietary closed-loop beacon processing system, the PMAR-65Ka delivers near-zero pointing error for maximum link stability. Its 4 axes mount eliminates the keyhole effect, ensuring uninterrupted connectivity and fluid movement even when the satellite is directly overhead or signal conditions are weak.

### Operational Efficiency

Downtime is minimized through an innovative gyro-lock mode that enables instantaneous re-connection after obstructions. Designed for longevity, the unit features sealed brushless motors and a balanced inertial system to reduce wear, lowering maintenance needs and power consumption to just a few watts above BUC requirements.



STANDARD  
MIL-STD  
188-164A

STANDARD  
MIL-STD  
810

Size:

0.65m

### Key Features

- Available in X, Ku and Ka Band
- GEO, MEO, LEO, HEO Compatible
- Optimized Ka-Band Throughput
- High-Precision Stabilization
- Integrated MEMS Sensors Technology
- RF Path Optimization
- Consistently high data rate
- Supports OpenAMIP
- Rapid Acquisition
- Optional 4G/ 5G/LTE supported modem for load balancing and bonding solutions





**GENERAL SPECIFICATIONS**

|                        |
|------------------------|
| Reflector Diameter     |
| Stabilization Platform |
| Tracking Mode          |
| Tracking Accuracy      |
| Modem Interface        |
| Modem Support          |
| Power Input            |

**PMAR-65Ka**

|                                       |
|---------------------------------------|
| 0.65m                                 |
| 3-axis (plus Auto Skew)               |
| Carrier Tracking, SNR Direct Tracking |
| 0.2° RMS                              |
| Ethernet, OpenAMIP                    |
| iDirect, Newtec, Gilat, THISS, Hughes |
| 85V~264V AC / DC, 18-36V              |

**GENERAL SPECIFICATIONS**

|                    |
|--------------------|
| Frequency (GHz) Tx |
| Frequency (GHz) Rx |
| Gain (dBi) Tx      |
| Gain (dBi) Rx      |
| EIRP               |
| G/T (dB/K)         |
| Polarization       |

**KA-BAND**

|                 |
|-----------------|
| 29 ~ 30         |
| 17.7 ~ 20.2     |
| 44.0 @ 29.25GHz |
| 40.2 @ 19.45GHz |
| 48.8 (w 4W BUC) |
| 14.7            |
| Circular        |

**MECHANICAL/ POWER SPEC.**

|                  |
|------------------|
| Motion Range     |
| Skew Control     |
| Supported Orbit  |
| INU & Gyros      |
| Dimensions (DxH) |
| Weight           |

**Azimuth**

**Elevation**

**Roll**

|  |             |      |
|--|-------------|------|
| Unlimited                                | -10° ~ 110° | ±30° |
| Automatic, with Pre-set Offset Supported |             |      |
| GEO, MEO, LEO, HEO                       |             |      |
| Embedded                                 |             |      |
| 83cm x 79cm                              |             |      |
| 52kg                                     |             |      |

**ENVIRONMENTAL SPECIFICATIONS**

|                               |
|-------------------------------|
| Temperature Range Operational |
| Temperature Range Survival    |
| Wind Speed Operational        |
| Wind Speed Survival           |
| Protection Grade              |

**PMAR-65Ka**

|              |
|--------------|
| -20°C ~ 55°C |
| -55 ~ +70°C  |
| 80 kn        |
| 110 kn       |
| IP65         |

Specifications are subject to change.