



STANDARD
MIL-STD
810

STANDARD
MIL-STD
461

STANDARD
MIL-STD
188-164

Size:

1.3m

PMA-130-MIL

Rapid-Deployment Anywhere

Designed for rapid tactical deployment, the system is fully operational in under 10 minutes with no tools required for assembly or teardown. Its extra-compact, ultra-lightweight architecture enables effortless transportation, while manual hand adjustment provides quick field alignment. Built for demanding operational environments, the rugged pedestal delivers reliable auto pointing.

Instantly Operational

Supporting multiple operating modes, the terminal adapts seamlessly to diverse mission requirements. Multi-band feed compatibility, field-interchangeable RF modules and a modem-agnostic architecture maximize operational flexibility while simplifying upgrades and maintenance. Integrated M&C capabilities provide straightforward control of external modules and system peripherals.

Reliable Network Connections

Advanced algorithms deliver precise satellite acquisition and stable link performance throughout the mission. The built-in Web GUI and ruggedized field interface enable intuitive operation, while passive heatsink cooling eliminates the need for fans, improving reliability. Optimized for high-performance IP networks, VPN services and video streaming in mission-critical applications.

Key Features

- Fast acquisition with brushless servo system
- Interchangeable X, KU, KA Band Feed System
- Easy Attach Modular Design
- MIL-STD compliant
- Low MTTR with fully supported LRU modules
- High RF performance and ITU-R S.580 radiation patterns
- Robust Body and Legs
- Optional Spectrum Display



GENERAL SPECIFICATIONS

Reflector Diameter	1.3 m Carbon - Fiber
Reflector Type	Dielectric Back Feed Assembly
Antenna Concept	Segmented
Power Supply	100-240 VAC/50-60 Hz or 36-75 VDC
Power Consumption	<300w

RF CHARACTERISTIC

	X-Band	Ku-Band	Ka-Band
Frequency (GHz) Tx	790 - 8.40 GHz	13.75 - 14.50 GHz	27.5 - 31.0
Frequency (GHz) Rx	7.25 - 7.75 GHz	10.70 - 12.75 GHz	17.7 - 21.2
Antenna Gain (±0.2 dBi) Tx	≥ 38.3 dBi(@) 8.15 Ghz	≥ 43.2 dBi(@) 14.25 Ghz	≥ 45.5 dBi(@) 29.25 Ghz
Antenna Gain (±0.2 dBi) Rx	≥ 37.6 dBi(@) 7.5 Ghz	≥ 42 dBi(@) 12.5Ghz	≥ 48.9 dBi(@)19.45Ghz
VSWR	≤1.5:1	≤1.5:1	≤1.5:1
Polarization	Circular	Linear	Circular
Axial Ratio (dB)	≤1.2	≥35 dB (CPI)	≤ 1.2 (Rx) / ≤1.0 (Tx)
Antenna Pattern Compliancy	ITU-R S.580-6.	ITU-R S.580-6.	ITU-R S.580-6.

MECHANICAL SPECIFICATIONS

	EL Axis	AZ Axis	Polarization
Antenna Motion Range	5 - 90°	± 200°	± 90°
Antenna Drive Rate	0.1° - 3° /s		
Motor	DC Brushless Servo with Brakes		
Weight	≤ 32 Kg without BUC and transport cases		

ENVIRONMENTAL SPECIFICATIONS

Temperature Range Operational	-30°C - +55°C
Temperature Range Survival	-40°C - +70°C
Wind Speed Operational	gusting 45 km/h with anchors
Wind Speed Survival	gusting 80 km/h with anchors
Protection Grade	IP65
Solar Radiation	1135W/m2

Specifications are subject to change.

