LEO / MEO Networks Terminal

Features

- One, Two or Three Positioner Terminal
- Each controlled by a ACU in a Parent/Child Configuration
- Satellite Pointing and Tracking via TLE, Beacon/DVB Signal or RSSI Modem Information
- Works with any modem
- Can be used with any LEO/MEO Satellite Network(O3B, Starlink, OneWeb, Telesat …)
- 2 or 3 Axis Positioner
- Upscalable, suitable for all antennas from 0,75m to 5,3m dish size
- High Precision Robotic Drives & Motors
- Azimuth travel range up to 360°, Elevation up to 180°
- Axis speeds up to 30°/sec
- Axis Accuracy: 0,01°
- Intelligent Motion Controllers for variable Speed & optimized travel and precise pointing
- Lightweight system with Aluminum reinforced structure, optional hot dip galvanized steel structure
- Optional Counterweights for higher Antenna Apertures

Specifications	
	One, Two or Three Positioner Terminal
Positioner type	2-Axis High Performance Robotic Drive Positioner, Elevation Over Azimuth Design Optional 3rd Axis Polarization Drive
Material	Reinforced Aluminum or Hot Dip Galvanized Steel
Compatible Antennas	0,75m – 5,3m diameter, Offset, Center Fed, any Frequency Band
Travel Range Azimuth **Elevation**	180°(max. 360°) -25° - 180°
Speed	Up to 30°/sec

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Pointing accuracy	0,01°
Motors	24V & 48V DC & BLDC Motors, 230V Servomotors
Motor Controllers	Intelligent Motion Controllers for variable speed and dynamic Acceleration/Deceleration
Antenna Control Unit	One APS900 ACU per Positioner, Master Slave Configuration @ 2 /3 Positioner Terminals
ACU Interfaces	Wifi, Ethernet, USB, Serial Interface
Contro Interface	WebGUI, Remote Network Management
Power Consumption	Up to 5kW per positioner
Power Supply	240V or 400V AC
Wind Speed Operational Survival	80 km/h 200 km/h
Temperature	-30 to 60°C
Humidity	0 to 100%
ACU Features	- Active Satellite Tracking (Beacon/DVB Signal or RSSI) - Passive Tracking (TLE) - Combined Tracking - Analysis of Satellite Network Files to perform Pointing, - Handovers, MBB, BBM - BUC Supervision & Control - Modem Control - Modem Communication: RSSI, Status, SatelliteData &Timings - Communicating with external Sensors GPS, Inclinometer, Satellite Compass - Positioner Control from Modem - Status & Error Logs - Remote M&C Interface