



Size:

1RU

PAC-500

Next-Generation Engineering

PALS combines hundreds of hours of R&D with decades of expertise to deliver the PAC-500 Antenna Controller. Engineered to meet the most demanding satellite communication standards, this next-generation system represents the pinnacle of precision control technology for professional applications worldwide.

User-Friendly Operation

The PAC-500 enables operators with no satellite knowledge to lock onto pre-defined satellites in under three minutes. State-of-the-art algorithms minimize intervention by automatically performing required tasks. Advanced users can access adjustable features and manual controls, while three programmable user account levels ensure security and prevent accidental interventions.

Independent Interface

Featuring a fully graphical front panel display that operates independently without a computer, the PAC-500 delivers a seamless experience through its responsive web interface. SNMP support enables smooth integration.

Key Features

- Automatic Pointing System and "One Button" Operation
- Full Graphical Front Panel Display with Backlight
- Indications: Azimuth, Elevation and Polarization Alphanumeric
- Supports OpenAMIP
- Integrated AGC Receiver for Modem Integration
- Optional Integrated DVB-S/S2 Receiver & Beacon Receiver
- Fully Automated Satellite Signal Acquisition in 3 min.
- User Configurable Target Pointing
- Satellite Memory Tracking
- Fully Responsive Web Interface (SNMP Support)





GENERAL SPECIFICATIONS

Processor	120 MHz ARM Multiprocessors
Topology	Indoor and Outdoor Units
RF Receiver	DVB S/S2, Beacon (optional), AGC
Peripherals	GPS and GLONASS Receiver, Inclinometer, True Compass, 3 Axes Motor Drive, 16-bit Absolute Resolver Drive

MONITOR AND CONTROL SPEC.

HMI	Fully Graphical Front Panel Screen with Alphanumerical Keypad
Remote	RJ-45 port for full responsive web interface (no software needed) and SNMP v2c support
Monitor Ports	Input Signal Monitoring Port

PHYSICAL FEATURES

Dimensions	424 (19") x 350 x 44.45 (1RU)
Weight	4 kg

ELECTRICAL SPECIFICATIONS

Power Rating	90-264 VAC, 47-63 Hz
Power Consumption	200 W max
LNB Power	13/15/18 VDC and 22 KHz User Configurable Supply
MISC.	Internal Power Factor Corrector and Line Filter

ENVIROMENTAL SPECIFICATIONS

Tempertaure Range Operational	-10 °C - +55 °C, Compliant with MIL-STD-810G Method 501.5 and Method 502.5
Tempertaure Range Survival	-20 °C - +60 °C, Compliant with MIL-STD-810G Method 501.5 and Method 502.5
Humidity	%95 Cycling Temp, Compliant with MIL-STD-810G Method 507.5
Low Pressure Operational	3000 meters, Compliant with MIL-STD-810G Method 500.5
Low Pressure Survival	4500 meters, Compliant with MIL-STD-810G Method 500.5
Thermal Shock	-20 to +60 cyclic shock, Compliant with MIL-STD-810G Method 503.5
Vibration	Cat. 4 and Cat. 10 on all axes, Compliant with MIL-STD-810G Method 514.6
Mechanical Shock	20G, 11 ms on all axes, Compliant with MIL-STD-810G Method 516.5

Specifications are subject to change.

