



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
- Keypad for Ease of Use
- 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)





TECHNICAL SPECIFICATIONS / PAC-500 Scan the QR code for more information.

GENERAL SPECIFICATIONS

Processor
Topology
RF Receiver
Peripherals

PAC-500

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

MONITOR AND CONTROL SPEC.

HMI
Remote
Monitor Ports

PAC-500

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

PHYSICAL FEATURES

Dimensions
Weight

PAC-500

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

ELECTRICAL SPECIFICATIONS

Power Rating
Power Consumption
LNB Power
MISC.

PAC-500

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

ENVIROMENTAL SPECIFICATIONS

Tempertaure Range Operational
Tempertaure Range Survival
Humidity
Low Pressure Operational
Low Pressure Survival
Thermal Shock
Vibration
Mechanical Shock

PAC-500

-10 °C - +55 °C, Compliant with MIL-STD-810G Method 501.5 and Method 502.5
-20 °C - +60 °C, Compliant with MIL-STD-810G Method 501.5 and Method 502.5
%95 Cycling Temp, Compliant with MIL-STD-810G Method 507.5
3000 meters, Compliant with MIL-STD-810G Method 500.5
4500 meters, Compliant with MIL-STD-810G Method 500.5
-20 to +60 cyclic shock, Compliant with MIL-STD-810G Method 503.5
Cat. 4 and Cat. 10 on all axes, Compliant with MIL-STD-810G Method 514.6
20G, 11 ms on all axes, Compliant with MIL-STD-810G Method 516.5

Specifications are subject to change.