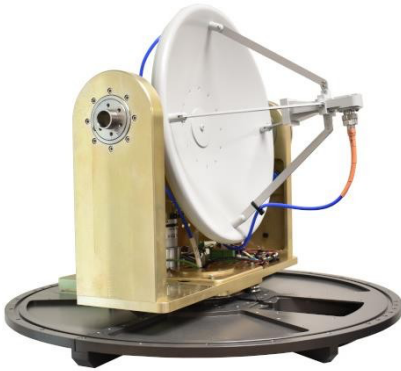


# QLA-360MPS-10-SL340

Radome Enclosed Antenna Positioner for QPAR 340mm reflector



Shown without Radome

The QLA-360MPS-10-SL340 radome enclosed positioner is designed to be integrated with any QPAR SL 340mm reflector with various options of RF frequency ranges (not included). Configurations available from 6.5-40 GHz with single linear polarized feeds can be mounted in a vertical, horizontal, or slant 45 configuration.

The embedded antenna controller has a built in GPS, digital compass, and user activated IMU for pitch/roll/yaw stabilization.

The web-based user interface provides configuration, monitor, and control of the antenna positioner and offers NORAD two line element program tracking, list tracking and GEO pointing with user defined scanning and peaking tools. In addition QPAR has a command line interface for customers that want to add our solution into a larger system.

The QLA-360MPS-10-SL340 offers 360° of azimuth travel and -10° to +90° of elevation range. Continuous azimuth range of motion is available utilizing a slip ring and RF rotary joint. Optional GPS heading unit and pole mount adapters are available upon request. Download the Interface Control Drawing (ICDN901053) for more details.

## TECHNICAL SPECIFICATIONS - QLA-360MPS-10-SL340

<b>Power</b>	50-57Vdc, 4 Pair PoE, Passive (Indoor Rated 50Vdc Supply Included)
<b>External Material / Finish</b>	Aluminum with stainless steel hardware / Hard coat anodize
<b>Positioner Travel</b>	
Azimuth	440° (+/-220°)
Elevation	100° (- 10° to +90°)
<b>Positioner Drive Rate</b>	
Azimuth	Variable, up to 25°/sec no load
Elevation	Variable, up to 25°/sec no load
<b>Temperature</b>	
Operational	-22 to 140°F (-30 to 60°C) or -40 to 140°F (-40 to 60°C) with Extended Temperature Option
Survival	-40 to 158°F (-40 to 70°C)
<b>Feedback Resolution</b>	0.01°
<b>Mounting Interface</b>	See ICD for optional pole mount adapters (2", 2.5", 3", 3.5", 4" & 4.5")
<b>Weight</b>	58 lbs (26 kg) without antenna
<b>Dimensions with Radome</b>	Height: 24.6" (62.5 cm), Diameter: 24.5" (62.2 cm)
<b>Maximum Swept Volume</b>	Internal Diameter: 21" (53 cm)
<b>Antenna Interface</b>	Interfaces with any QPAR SL 340mm antenna (Not Included)
<b>Stabilization</b>	Pitch/Roll/Yaw (User Activated)
<b>Communication Interface</b>	
User Interfaces	Web based hosted internal to unit or proprietary command protocol
Standard RF Cable	(1) DC-18 GHz N Type RF, 63" (160cm) (Avg Pwr Handling 744W@ 1GHz, 177W@18GHz)
Other	SNMP radio Interfaces for Acquisition and Peaking

Specifications subject to change without notice