

# Intelligent Positioner for Nomadic Wireless Broadband

## QUICK LOOK:

- **Quick deployment of wireless broadband devices such as PMP/PTP 450i or PTP 670**
- **Aligns/connects to desired Access Point**
- **Ease of use for non-technical users**
- **Easy to physically set up**
- **Positioning complete in less than 7 minutes**



### The Intelligent Positioner for Nomadic Wireless Broadband

is part of Cambium Networks' Intelligent Positioning Systems portfolio. The Intelligent Positioning Systems portfolio supports rapid deployment of broadband connectivity. Examples include quickly deploying a PMP 450i in the field to support work at a new oil pad location or quickly deploying both ends of a PTP 820E link to establish gigabit per second throughput to a mining location.

With the Intelligent Positioner for Nomadic Wireless Broadband, networks based on PMP/PTP 450i or PTP 670 can be initially set up and then periodically moved to new locations safely and quickly – while continuing to provide optimal radio positioning and link reliability at all locations. The Intelligent Positioner for Nomadic Wireless Broadband scans the horizon and automatically locks onto the RF signal of the intended radio at the remote end with minimal human intervention. Optimal alignment of the radios occurs in minutes.



## Intelligent Positioner for Nomadic Broadband

### APPLICATIONS

- Oil and Gas Industry for well-head re-locations and turnarounds
- Mining operations for mining re-locations
- First responders
- Service Providers deploying Cell on Wheels for adding LTE and Wi-Fi coverage for temporary event hosting
- Disaster Recovery scenarios for private enterprise networks

### KEY FEATURES

- Positions antenna to realize maximum signal strength received from remote radio in minutes
- Provides azimuth range of 400° (+-200°) and elevation range of 40° (+-20°)
- Compatible with Cambium Networks PMP/PTP 450i or PTP 670
- Finds specified Access Point when several access points are present
- Simplicity in configuration and achieving optimal position via an integrated web-based user interface (http)
- Remotely monitor with built-in web interface
- Ruggedized mechanics and cabling for harsh environments

### Intelligent Positioner Specifications

<b>Model Number</b>	C000000H002A	
<b>Physical Dimensions</b>	43 cm H x 22 cm W x 27 cm D (16.72 in x 8.69 in x 10.79 in)	
<b>Weight</b>	8 kg (18 lbs)	
<b>Power</b>	<b>Type</b> Passive Power Over Ethernet	
	<b>Input Voltage</b>	48 VDC to 56 VDC 2.5 W to 30 W
<b>Temperature</b>	<b>Operational</b> -30°C to 60°C (-22°F to 140°F)	
	<b>Survival</b> -40°C to 70°C (-40°F to 158°F)	
<b>Positional Travel</b>	<b>Azimuth</b> 400° (+/- 200°)	<b>Elevation</b> 40° (+/-20°)
<b>Positioner Drive Rate</b>	<b>Azimuth</b> Up to 4.5° / second with no load	<b>Elevation</b> Up to 4° / second with no load
<b>Payload</b>	20kg (45lbs)	
<b>Positioner Materials</b>	Aluminum with stainless steel hardware / Hard coat anodize	
<b>Mounting</b>	Clamps standard to a 5 cm (2in) diameter mast, optional table mount with four holes are in a square mounted 8.53 cm (3.36 in) apart	
<b>Management</b>	Web-based interface (HTTP), SNMPv2, SNMPv3	
<b>Ethernet</b>	10/100	
<b>Serial</b>	RS-485	

## Intelligent Positioner for Nomadic Broadband

### Certifications

**CISPR** CISPR 32:2015 AMD1:2019

**IEC** IEC 62368-1:2014

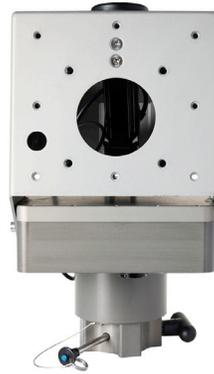
**CE** EN 62368-1: 2014+A11:2017

EN 61000-3-2:2014

EN 61000-3-3:2013

EN 55035:2017

EN 50581:2012



### ABOUT CAMBIUM NETWORKS

Cambium Networks empowers millions of people with wireless connectivity worldwide. Its wireless portfolio is used by commercial and government network operators as well as broadband service providers to connect people, places and things. With a single network architecture spanning fixed wireless and Wi-Fi, Cambium Networks enables operators to achieve maximum performance with minimal spectrum. End-to-end cloud management transforms networks into dynamic environments that evolve to meet changing needs with minimal physical human intervention. Cambium Networks empowers a growing ecosystem of partners who design and deliver gigabit wireless solutions that just work.