purdicom
PURE DISTRIBUTION

RF ELEMENTS®

60° Asymmetrical Beam Antenna

HORN ANTENNA WITH TWISTPORT™ CONNECTOR

60° Asymmetrical Horn TP Antenna combines the best of both worlds - a high gain of a traditional sector antenna and zero side lobes of a horn. Its radiation pattern is wide in azimuthal and narrow in the elevation plane, greatly improving coverage planning options. 60° Asymmetrical Horn TP Antenna exceeds the traditional patch sector antenna thanks to the high stability of gain and radiation pattern in the whole band of operation. Outstanding noise rejection and precision of radiation pattern favor 60° Asymmetrical Horn TP antenna for high-density AP clusters, in highly populated areas and dense co-location sites. HG3-TP-A60-V2 features our revolutionary TwistPort™ connector, a patent-pending twist-and-lock waveguide port. TwistPort™ is virtually lossless and embodies a complete shift of paradigm in wireless network scalability and convenience of deployment. 60° Asymmetrical Horn TP Antenna supports a wide range of third party mainstream radios with our TPA TwistPort™ Adaptor.

The V2 version of the antenna features all new mounting bracket that is lighter and stronger. Stainless steel hardware comes with black coating that prevents hardware seizing.

TECHNICAL DATA

Antenna Connection	TwistPort™ - Quick Locking Waveguide Port
Antenna Type	Horn
Materials	UV Resistant ABS Plastic, Polycarbonate, HDPE, Aluminium, Stainless Steel
Enviromental	IP55
Pole Mounting Diameter	40-80 mm (we recommend as close to 80mm as possible)
Temperature	-35°C to +60°C (-31°F to +140°F)
Wind Survival	160 km/hour
Wind Loading	43 N at 160km/h
Mechanical Adjustment	± 20° Elevation, ± 20° Azimuth
Weight	4.8 Kg / 10.5 lbs – single unit* 6.5 Kg / 14.3 lbs – single unit incl. package*
Single Unit	Retail Box: 515 × 370 × 140 mm / 20.2 x 14.5 x 5.5 inch*

PERFORMANCE

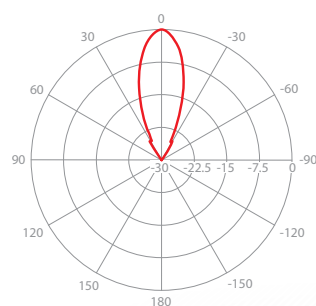|	
Frequency Range	5180 - 6000 MHz
Gain	17 dBi
Azimuth Beam Width -3 dB	H 45° / V 42°
Elevation Beam Width -3 dB	H 17° / V 16°
Azimuth Beam Width -6 dB	H 60° / V 60°
Elevation Beam Width -6 dB	H 25° / V 25°
Beam Efficiency**	95%
Front-to-Back Ratio	27 dB

PRODUCT DIMENSIONS

301 mm
342 mm
101 mm
448 mm
334 mm
242 mm
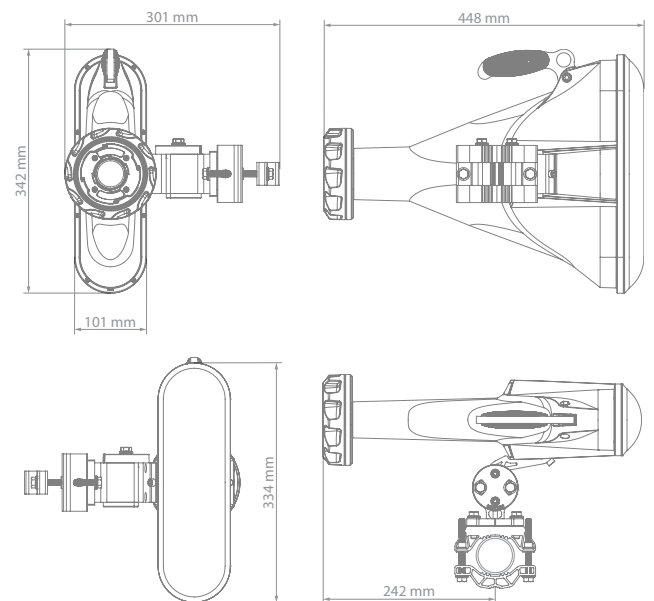
AZIMUTH PATTERN

V/H - Port Pattern Azimuth 5.6 GHz

ELEVATION PATTERN

V/H - Port Pattern Elevation 5.6 GHz

GAIN

Gain / dBi
Frequency / GHz
V/H Gain (IEEE)
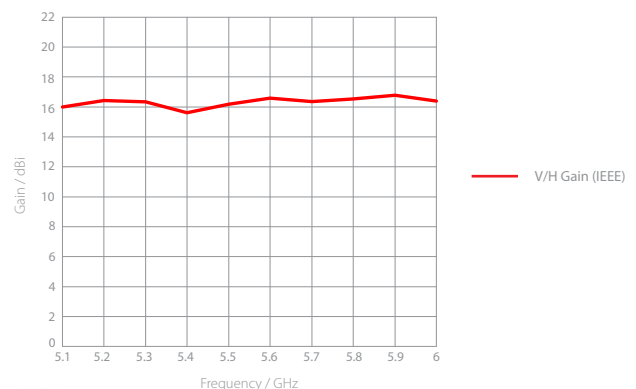
*Subject to change   **Beam efficiency defined up to first null