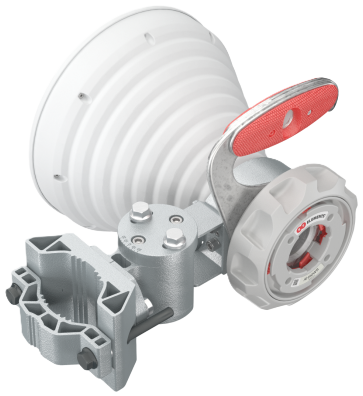
Symmetrical Horn 30°

30° SYMMETRICAL HORN ANTENNA WITH IMPROVED MOUNT



Symmetrical Horn™ Antennas provide symmetrical beam pattern with equal beam width in azimuth and elevation. Beam pattern has heavily attenuated side lobes providing for excellent noise immunity. 30° symmetrical beam width is widely preferred option for excellent performance, noise immunity, compact form factor and unmatched scalability of wireless networks.

HG4 introduces re-designed antenna body using aluminum extrusion to substantially increase longevity and outdoor resistance. New design also adds popular UBR bracket - robust solution for easy installation and superb durability proven by tens of thousands deployments in all kinds of environments. Re-designed parts are made of extruded aluminum for excellent corrosion resistance, increased strength and reduced weight.

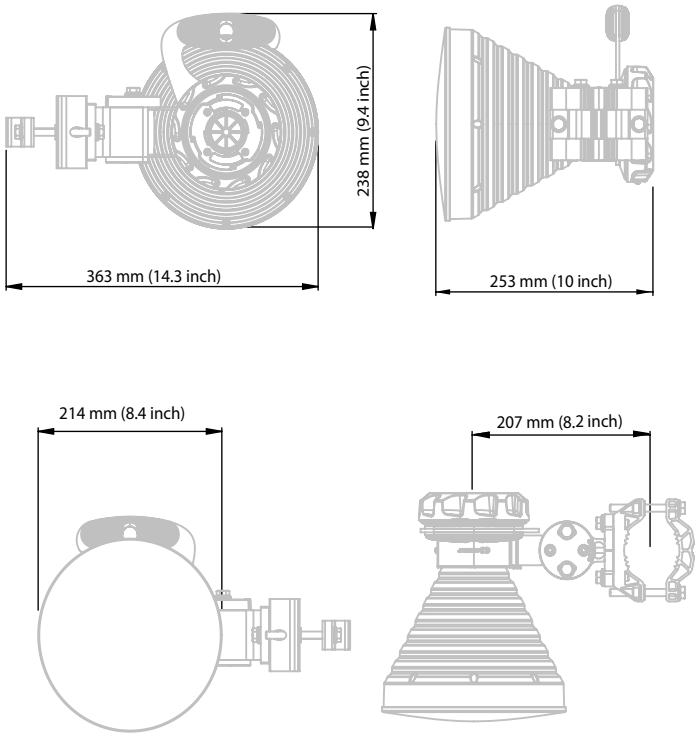
TECHNICAL DATA

Antenna Connection	TwistPort™ Waveguide Port
Antenna Type	Symmetrical Horn
Materials	UV Resistant ABS Plastic, Polyethylene, Aluminium, Stainless Steel
Enviromental	IP55
Flame Rating	UL 94 HB
Pole Mounting Diameter	30-80 mm (1.1-3.1 inch) Recommend as close to 80 mm (3.1inch) as possible
Temperature	-30°C to +55°C (-22°F to +131°F)
Wind Survival	180 km/h (110 mph)
Wind Load	52/26 N - Front/Side at 160 km/h (100 mph)
Effective Projected Area	428/214 cm2 - Front/Side (66.3/33.2 in2)
Mechanical Tilt	± 25°
Weight	2.7 kg / 6 lbs single unit 3.2 kg / 7 lbs single unit incl package 20 kg / 44 lbs 5 units in wholesale carton
Single Unit	380 x 240 x 245 mm / 15 x 9.5 x 9.7 inch
5 Units Carton	400 x 280 x 1240 mm / 15.8 x 11 x 48.8 inch

PERFORMANCE

Frequency Range	5100 - 6775 MHz
Gain	18 dBi
Azimuth Beam Width -3 dB	H 20° / V 20°
Elevation Beam Width -3 dB	H 20° / V 20°
Azimuth Beam Width -6 dB	H 30° / V 30°
Elevation Beam Width -6 dB	H 30° / V 30°
Beam Efficiency*	92 %
Front-to-Back Ratio	33 dB

PRODUCT DIMENSIONS



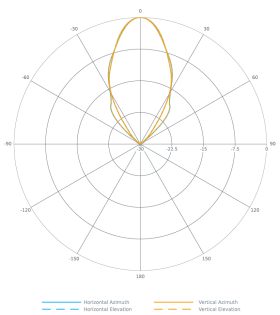
COMPATIBLE WIRELESS PLATFORMS

Any TwistPort™ compatible TPA or radio unit operating in dedicated frequency band

*Main beam defined up to first null

RADIATION PATTERNS

Polar Patterns @5900 MHz



GAIN