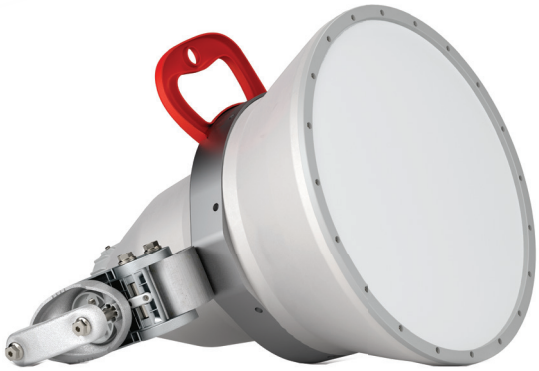
UltraHorn™ TP 5-21

ULTIMATE NOISE REJECTING POINT-TO-POINT HORN ANTENNA WITH TWISTPORT CONNECTOR



The UltraHorn™ TP Antennas are high gain, highly directional scalar horn antennas for point-to-point connections. They offer all the benefits of scalar horns for point-to-point use: ultra noise rejection, lossless connection of radio and symmetrical beam with no side lobes. Absence of side lobes allows UltraHorn™ TP antennas to reject noise and create long links in environments with a high level of noise with unprecedented performance. No need to spend more money for radomes or shrouds. No extra costs for additional shielding. Just buy an appropriate TwistPort™ Adaptor to connect your radio and deploy. That's it!

All UltraHorn™ TP Antennas are equipped with a unique TwistPort™, our patent pending wave guide connector. TwistPort™ connectors are virtually loss-less and a revolutionary leap forward in wireless system scalability and convenience of deployment. UltraHorn™ TP Antennas support a wide range of third party radios from mainstream vendors with our TwistPort™ Adapters along with our RF elements® Simper™ Radios.

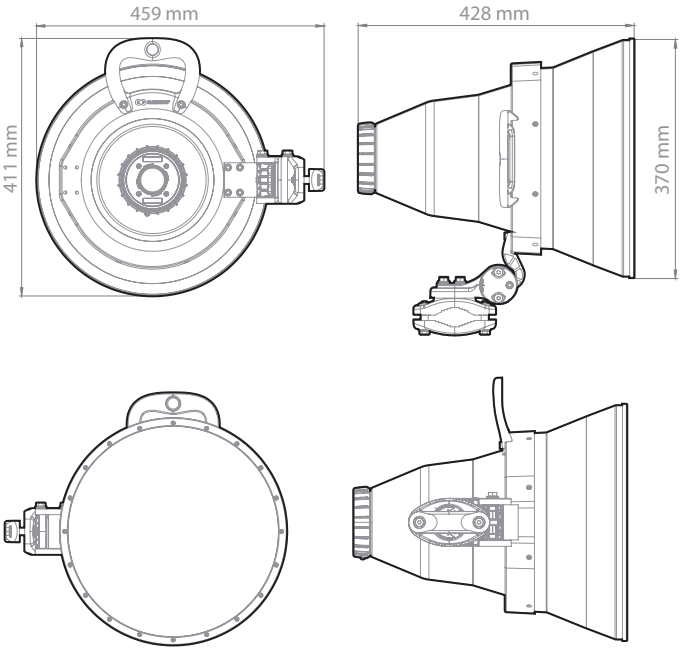
TECHNICAL DATA

Antenna Connection	TwistPort™ - Quick Locking Waveguide Port
Antenna Type	Horn
Materials	UV Resistant ABS Plastic, Polycarbonate, Polypropylene, Aluminium, Stainless Steel
Enviromental	IP55
Pole Mounting Diameter	15-86 mm
Temperature	-30°C to +55°C (-22°F to +131°F)
Wind Survival	160 km/hour
Mechanical Tilt	± 25°
Weight	N/A Kg / lbs – single unit N/A Kg / lbs – single unit incl. package N/A Kg / lbs – carton (N/A units)
Single Unit	Retail Box: N/A cm
Units	Carton Box: N/A cm

PERFORMANCE

Gain	21 dBi
Azimuth Beam Width -3 dB	H 16° / V 15°
Elevation Beam Width -3 dB	H 15° / V 16°
Azimuth Beam Width -6 dB	H 22° / V 21°
Elevation Beam Width -6 dB	H 21° / V 22°
Front-to-Back Ratio	38 dB

PRODUCT DIMENSIONS



AZIMUTH PATTERN

V/H - Port Pattern Azimuth 5.5 GHz

ELEVATION PATTERN

V/H - Port Pattern Elevation 5.5 GHz

GAIN