Product Datasheet Product ID: UD-TP-24



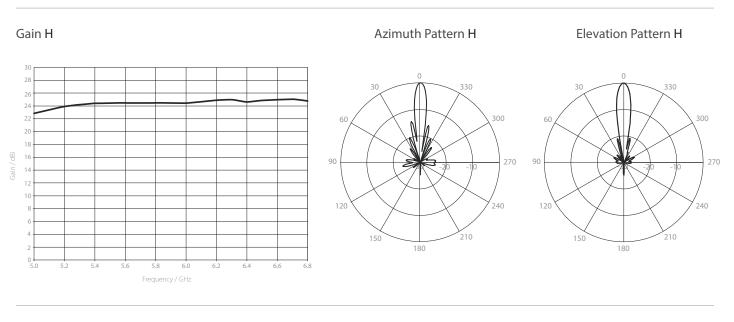
UltraDish[™] TP 24

PARABOLIC DISH ANTENNA WITH TWISTPORT[™] CONNECTOR

UltraDish[™] TP 24 is designed for subscriber module applications. Minimized sidelobes, wide frequency bandwidth, and stable gain in both polarizations assure dependable performance. Antenna reflector is made of aluminium to ensure a low weight and uniform shape. Our proprietary TwistPort[™] waveguide connector enables intuitive radio connection and replacement.

Massive mount with improved grip and a wide range of applicable pole diameters makes the deployment easy and versatile. Stainless hardware comes with black coating to prevent from seizing at the installation.

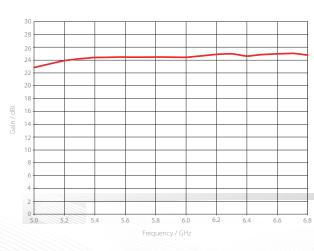




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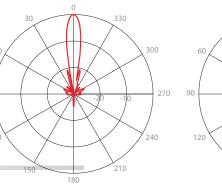
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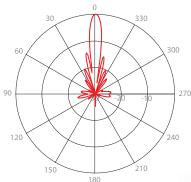
Gain V





Elevation Pattern V





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45001

14001

9001

This product was produced under the conditions of a certified manage ment system that meets the requirements of the ISO 9001 /ISO 14001 and ISO 45001 standard, while this system was certified by QSCert.

www.rfelements.com

Product Datasheet



PHYSICAL

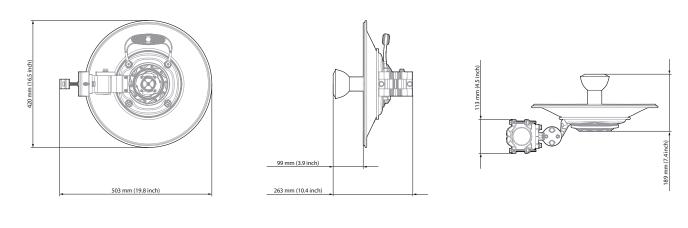
Antenna Connection	TwistPort™ - Quick Locking Waveguide Port					
Antenna Type	Parabolic Dish					
Materials	UV Resistant ABS Plastic, Polycarbonate, Aluminium, Stainless Steel					
Environmental	IP65					
Pole Mounting Diameter	40-80 mm (1.5-3.1 inch) Recommended as close to 80 mm (3.1 inch) as possible					
Temperature	-40 °C to +60 °C (-40°F to +140°F)					
Wind Survival	160 km/h (100 mi/h)					
Wind Load	167/22 N - Front/Side at 160 km/h (100 mi/h)					
Effective Projected Area	1372/176 cm ² - Front/Side (212.7/27.3 in ²)					
Weight	2.7 kg (6 lbs) – single unit (one antenna) 7.3 kg (16 lbs) – 2PACK (2 units) incl. package					
Dimensions	Retail Box 2PACK: 470 x 470 x 205 mm (18.5 x 18.5 x 8.0 inch)					

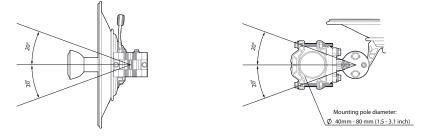
PERFORMANCE						
Frequency Range	5180 - 6775 MHz*					
Gain	24.4 dBi					
Beam Efficiency**	40%					
Front-to-Back Ratio (Min)	35 dB					
Azimuth Beam Width	-3 dB: H 9° / V 8°	-6 dB: H 12° / V 11°				
Elevation Beam Width	-3 dB: H 8° / V 9°	-6 dB: H 11° / V 12°				

COMPATIBLE WIRELESS PLATFORMS

any TwistPort™ Adaptor any SIMPER™ Radio

PRODUCT DIMENSIONS





*We strongly recommend that users do not operate radios outside of the specified frequency range **Beam efficiency defined up to first null.

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ISO 9001 HOUT HIS PARTS ISO This PARTS ISO

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Product Datasheet



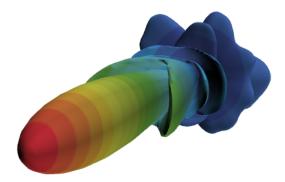
3D radiation diagram

Scale: 30dBi

Compatible with: Adobe Acrobat Reader DC. Not supported on mobile. Use mouse to rotate the diagram. Scroll in/out to zoom in/out.

dBi

											1									
24.4	22.9	21.4	19.9	18.4	16.9	15.4	13.9	12.4	10.9	9.4	7.9	6.4	4.9	3.4	1.9	0.4	-1.1	-2.6	-4.1	-5.6



FRONT	ВАСК	RIGHT	LEFT	UP	DOWN
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(ascer) (ascer) ment syste	m that meets the requirements of the IS 001 standard, while this system was cert	0 9001,150 1 4001			www.rfelements.com