

# UNA008RI

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1-port inverted omni antenna, 694–896 MHz, 360° HPBW, 1x RET with manual override. Ships with F-129-S4 mounting kit.

## OBSOLETE

This product was discontinued on: March 27, 2020

## General Specifications

<b>Antenna Type</b>	Omni
<b>Band</b>	Single band
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	Polyester fiberglass pultrusion
<b>Radiator Material</b>	Copper
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Top
<b>RF Connector Quantity, high band</b>	0
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	1
<b>RF Connector Quantity, total</b>	1

## Remote Electrical Tilt (RET) Information

<b>RET Interface</b>	8-pin DIN Female   8-pin DIN Male
<b>RET Interface, quantity</b>	1 female   1 male
<b>Power Consumption, idle state, maximum</b>	2 W
<b>Power Consumption, normal conditions, maximum</b>	13 W
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)

## Dimensions

<b>Length</b>	2815 mm   110.827 in
<b>Net Weight, without mounting kit</b>	9.8 kg   21.605 lb
<b>Outer Diameter</b>	56 mm   2.205 in

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**Tube Diameter** 288 mm (11.34 in)

## Electrical Specifications

**Impedance** 50 ohm  
**Operating Frequency Band** 694 – 896 MHz  
**Polarization** Vertical

## Electrical Specifications

**Frequency Band, MHz** 694–896  
**Gain, dBi** 9.3  
**Beamwidth, Horizontal, degrees** 360  
**Beamwidth, Vertical, degrees** 9.6  
**Beam Tilt, degrees** 0–8  
**USLS (First Lobe), dB** 16  
**VSWR | Return loss, dB** 1.5 | 14.0  
**PIM, 3rd Order, 2 x 20 W, dBc** -150  
**Input Power per Port, maximum, watts** 150

## Mechanical Specifications

**Wind Loading @ Velocity, frontal** 299.0 N @ 150 km/h (67.2 lbf @ 150 km/h)  
**Wind Loading @ Velocity, lateral** 233.0 N @ 150 km/h (52.4 lbf @ 150 km/h)  
**Wind Loading @ Velocity, rear** 299.0 N @ 150 km/h (67.2 lbf @ 150 km/h)  
**Wind Speed, maximum** 250 km/h (155 mph)

## Packaging and Weights

**Width, packed** 300 mm | 11.811 in  
**Depth, packed** 3000 mm | 118.11 in  
**Length, packed** 3044 mm | 119.843 in  
**Weight, gross** 24.8 kg | 54.675 lb

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

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REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



## Included Products

F-129-S4	-	Fixed Tilt Pipe Mounting Kit for 2.0"-4.5" (50-115mm) OD round members for omni antennas. Includes 2 clamp sets.
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## \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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