# **FM-HORN-90**

Fluidmesh is **CISCO**. now part of Cisco.

# **Connectorized symmetrical horn antenna with carrier class performance**

The FM-HORN-90 offers unique RF performance in a very compact package. Scalar horn antennas have symmetrical beams with identical patterns in the Vertical and Horizontal plain. Extremely small side lobes secure greatly decreased interference. FM-HORN Antennas are ideal for covering areas with close in clients where null zone issues occur. High density AP clusters and radio co-location is now practical due to very unique RF radiation patterns and compact size. FM-HORN-90 antenna is equipped with N-female connectors.

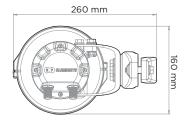


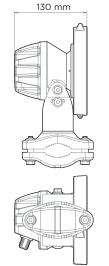
### **TECHNICAL DATA**

Radio Connection	2x N Female Bulkhead Connector
Antenna Type	Horn
Materials	UV Resistant polycarbonate, Polypropylene, Aluminium, Zinc, 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	1.7 Kg / 3.7 lbs* - single unit 2.5 Kg / 5.5 lbs* - single unit incl. package N/A Kg / lbs - carton (N/A units)
Single Unit	Retail Box: 31 × 20 × 22 cm*
N/A Units	Carton Box: N/A

\*Estimation based on pre-production units. Subject to change.

# **PRODUCT DIMENSIONS**

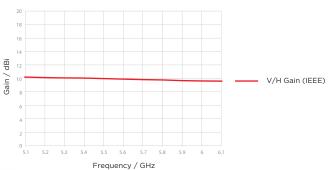




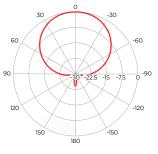
# PERFORMANCE

Frequency Range	5180 - 6100 MHz
Gain	10 dBi
Azimuth/Elevation Beam Width -3 dB	H 67° / V 67°
Azimuth/Elevation Beam Width -6 dB	H 90° / V 90°
Front-to-Back Ratio	38 dB
VSWR Max	1.8
Polarization	Dual Linear H + V
Impedance	50 Ohm

#### GAIN



#### AZIMUTH PATTERN



V/H - Port Pattern Azimuth 5.6 GHz

#### ELEVATION PATTERN



V/H - Port Pattern Elevation 5.6 GHz

Fluidmesh Networks products are installed locally by professional System Integrators and are available worldwide through a network of Authorized Dealers. For additional information please call +1.617.209.6080 or visit us at fluidmesh.com



HEADQUARTERS. 81 PROSPECT ST. BROOKLYN NY 11201, USA TELEPHONE. +1.617.209.6080 FAX. +1.866.458.1522 EMAIL. INFO@FLUIDMESH.COM WEB. FLUIDMESH.COM

Copyright \* Fluidmesh Networks, LLC. All rights reserved. Fluidmesh is a registered trademark of Fluidmesh Networks, LLC. EasyMesh, FMQuadro, FluidMax, FluidThrottle, Bazooka, Fluidity and Virtual Gig are trademarks of Fluidmesh Networks LLC. All other brand and product names are the trademarks of their respective holders. Information contained herein is subject to change without notice. The only warranties for Fluidmesh Networks products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Fluidmesh Networks and Into the lable for technical for technical or or omissions contained herein.