

**902 to 928 MHz RFID Flat Panel Antenna, RHCP,
8 dBi, White ABS, N Female, IP65**

Fairview Microwave's FMANFP1032 is a RHCP RFID flat panel antenna. The FMANFP1032 with a 8.5 dBi gain nominal is a Directional antenna. Our 902 to 928 MHz antenna has N Female connector and is IP65 Rated.

With an impedance of 50 Ohms and max input power of 50 Watts, the FMANFP1032 flat panel RHCP antenna is well suited for Radio Frequency Identification tag reading applications. This 902-928 MHz 8.5 dBi gain RFID antenna is highly directional providing the reader radio the capabilities of simultaneously reading a multitude of RFID tags with a high degree of accuracy.

Fairview's RFID FMANFP1032 has a radome made of ABS in White color and comes from a facility certified to ISO 9001:2015. This N Female connectized Antenna has an overall length of 7.5 in, width of 7.5 in, and weighs 1.05 lbs. Use our on-line ordering system to purchase your FMANFP1032 RFID Directional RHCP antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

Configuration

Design	Flat Panel
Gain	8.5
Polarization	RHCP
Connector Type	N Female
Lightning Protection	Direct Ground

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	902		928	MHz
Input VSWR			1.4:1	
Impedance		50		Ohms
Gain		8.5		dBi
Horizontal (Azimuth) Beam Width		65		Degrees
Vertical (Elevation) Beam Width		72		Degrees
Input Power			50	Watts
Axial Ratio		3		dB

Mechanical Specifications

Radome Material	ABS
Size	
Length	7.5 in [190.5 mm]
Width	7.5 in [190.5 mm]
Height	1 in [25.4 mm]
Weight	0.858 lbs [389.18 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +55 deg C
Ingress Protection	IP65


Features:

- High Performance Multi-tag read/write Capabilities
- Concealable Design
- Right Hand Circular Polarized
- 902 to 928 MHz Frequency Range
- Type N Female Connector
- IP65 Rated

Applications:

- Radio Frequency Identification
- Inventory Management
- Access Control
- Data Collection
- Asset Tracking
- Livestock Management

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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

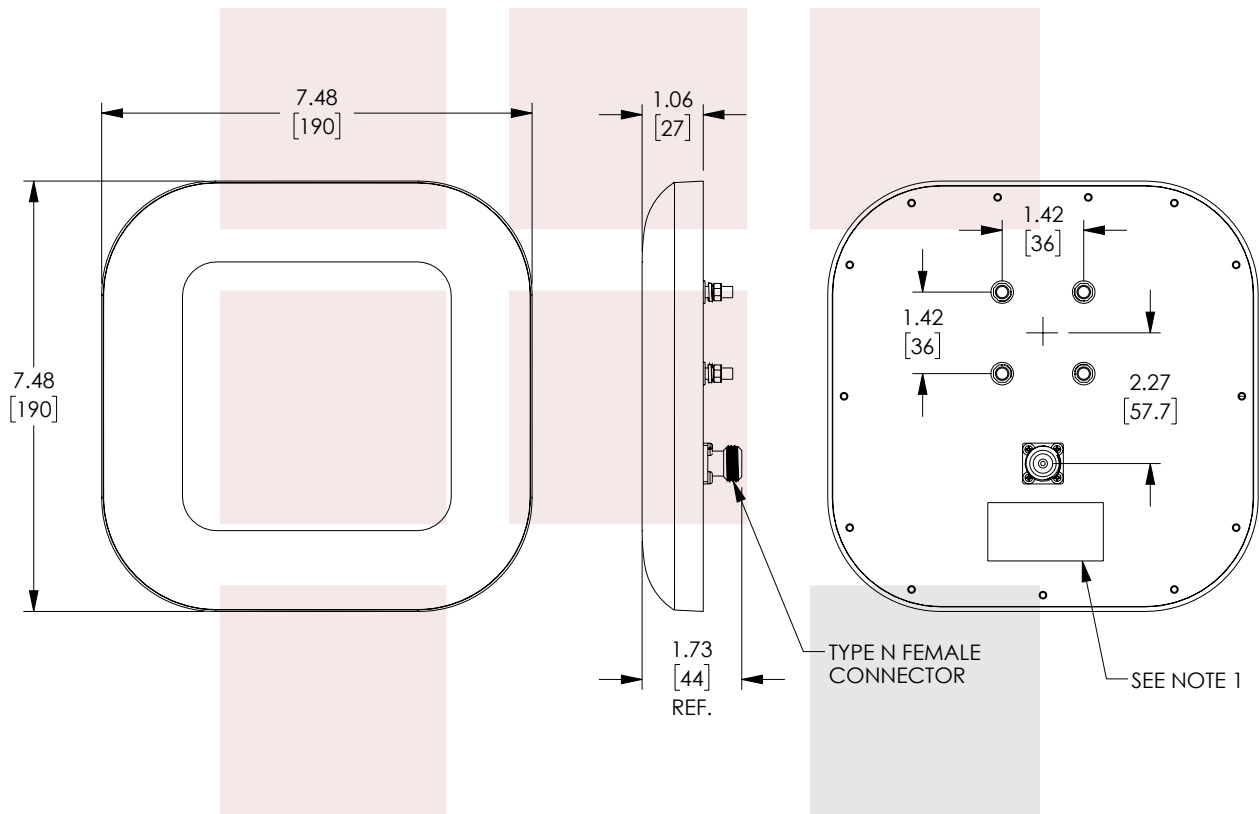
902 to 928 MHz RFID Flat Panel Antenna, RHCP, 8 dBi, White ABS, N Female, IP65 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [902 to 928 MHz RFID Flat Panel Antenna, RHCP, 8 dBi, White ABS, N Female, IP65 FMANFP1032](#)

URL: <https://www.fairviewmicrowave.com/8.5-dbi-flat-panel-antenna-902-928-mhz-n-type-connector-fmanfp1032-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/26/2022	KHIETPAS



NOTES:

1. LABEL PER ILS-100-03 (FOR INTERNAL USE ONLY)
LABEL LOCATION SHOWN FOR REFERENCE ONLY

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<p>Fairview Microwave an INFINIT[®] brand</p>	UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		THIRD-ANGLE PROJECTION 		
	TOLERANCES:		CABLE LENGTH (L) TOLERANCES:		
.X = ±.2 [.508] FRACTIONS ± 1/32 .XX = ±.02 [.51] ± 1/32 .XXX = ±.005 [.13] ANGLES ± 1°		L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.	
TITLE 902 to 928 MHz RFID Flat Panel Antenna, RHCP, 8 dBi, White ABS, N Female, IP65			SHEET 1 OF 1		
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			SCALE N/A		
SIZE A	CAGE CODE 3FKR5	DRAWN BY BPUCHASKI	ITEM NO. FMANFP1032	REV A	

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