

Indoor DAS Panel Antenna, 6.5 dBi, 698 MHz -4000 MHz, 4.3-10 Female, 4x4 MIMO, Low PIM

Fairview Microwave's Indoor DAS Panel Antenna FM51246 is in stock and ready to ship the same-day of order. The FM51246 indoor panel antenna comes with 6.5 dBi high gain, 4X4 MIMO and 4.3-10 female connectors. This indoor DAS panel antenna has a wide band frequency range from 698 MHz to 4000 MHz. The 4 port capabilities increase the 5G data speeds up to 4 x that of a single antenna. Fairview Microwave's Low PIM (low internal noise) 4.3-10 female increases the throughput, data speeds, quality of connection and allows more users to connect to the antenna.

Our antenna specialists are ready and available to answer any questions you may have on the FM51246 indoor DAS panel antenna. This indoor wall antenna has a low PIM rating and low-loss pigtailed with 75/70/68 degree horizontal beamwidths and 70/70/60 degree vertical beamwidths that provide installation flexibility. The 6.5dBi panel antenna low profile designs allow for seamless installation indoors without creating eyesores or potential interference with indoor personnel. These low PIM antennas have low loss pigtailed that allows for installation flexibility.

Contact Fairview Microwave's expert technical support for assistance with the indoor DAS panel antenna or any Antenna. Our knowledgeable sales team simplifies the purchasing process and ensures that your panel antenna will be exact to specification.

The antenna FM51246 from Fairview Microwave provides a higher quality connection and improved longevity. Order your 4-port low PIM (low noise) Indoor DAS Panel Antenna FM51246 from Fairview Microwave today. There is no MOQ (minimum order quantity) and the product ships same day from our warehouse.

Configuration

Design	Panel
Gain	6 dBi
Polarization	Vertical/Horizontal
Connector Type	4.3-10 Female
Interface 2	4.3-10 Female
Interface 3	4.3-10 Female
Interface 4	4.3-10 Female
Number of Ports	4

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	698		4,000	MHz
Input VSWR			1.8:1	
Impedance		50		Ohms
Gain	6		6.5	dBi
Input Power			50	Watts
Passive Intermodulation 3rd order, 2 x 20 W			-153	dBc

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.698-0.96	1.71-2.7	3.3-4			GHz
Port to Port Isolation	15	20	23			dB



Features:

- Indoor distribution of 5G, LTE, GSM/CDMA
- In-building public or private networks
- LPWAN, LoRA, LTE-M, NB-IoT, IoT, M2M applications
- DAS (Distributed Antenna Systems)

Applications:

- Low Passive Intermodulation (PIM) <-153 dBc @ 2x20W
- Vertical Polarization
- Low return loss, stable performance
- 4 x 4.3-10 Female connector for long lasting consistent results
- Covers 5G frequency bands including 600 MHz and extended CBRS

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Gain	6	6.5	6.5	dBi
Horiz. Beam Width	75	70	68	Degrees
Vert. Beam Width	70	70	60	Degrees
VSWR	1.8:1	1.8:1	1.8:1	

Mechanical Specifications

Radome Material ABS

Size

Length 12.126 in [308 mm]
 Width 16.5354 in [420 mm]
 Height 3.22835 in [82 mm]
 Weight 30.85 lbs [13.99 kg]

Environmental Specifications

Temperature

Operating Range -55 to +60 deg C

Humidity <95

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

Plotted and Other Data

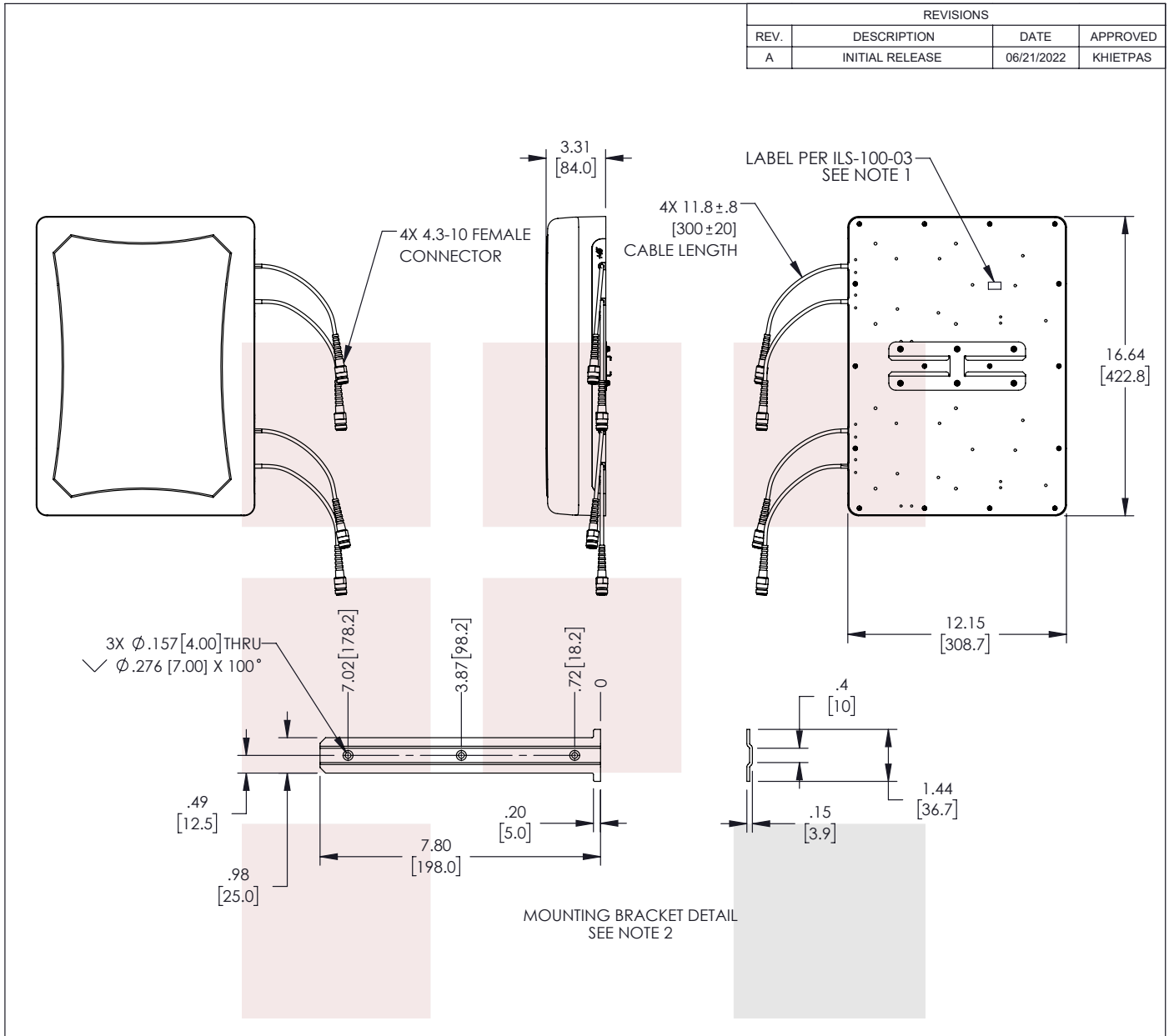
Notes:

Indoor DAS Panel Antenna, 6.5 dBi, 698 MHz -4000 MHz, 4.3-10 Female, 4x4 MIMO, Low PIM 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: [Indoor DAS Panel Antenna, 6.5 dBi, 698 MHz -4000 MHz, 4.3-10 Female, 4x4 MIMO, Low PIM FM51246](#)

URL: <https://www.fairviewmicrowave.com/wide-band-antenna-7-dbi-4.3-10-female-fm51246-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	06/21/2022	KHIETPAS

- NOTES:
1. LABEL PER ILS-100-03 (FOR INTERNAL USE ONLY). LABEL LOCATION SHOWN IS FOR REFERENCE ONLY.
 2. WALL THICKNESS FOR MOUNTING MUST BE .98 [25.0] MINIMUM.

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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:		
TITLE Indoor DAS Panel Antenna, 6.5 dBi, 698 MHz -4000 MHz, 4.3-10 Female, 4x4 MIMO, Low PIM	.X = ±.2 [5.08] 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.
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SIZE A	CAGE CODE 3FKR5	DRAWN BY AKRESOWSK	ITEM NO. FM51246	REV A	

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