

Indoor DAS Ceiling Omni Antenna, 5 dBi, 698 MHz - 4200 MHz, 4.3-10 Female, Low PIM

Fairview Microwave's Indoor DAS ceiling Omni Antenna FM51250 is in stock and ready to ship the same-day of order. The FM51250 indoor ceiling omni antenna comes with 5dBi gain and 4.3-10 female connectors. This indoor DAS ceiling omni antenna has a wide band frequency range from 698MHz to 4200MHz. The 1 port capabilities increase the 5G data speeds up to 1 x that of a single antenna. Fairview Microwave's 4.3-10 female increases the throughput, data speeds, quality of connection and allows more users to connect to the antenna.

Our omni antenna specialists are ready and available to answer any questions you may have on the FM51250 indoor DAS ceiling omni antenna. The 5dBi ceiling omni antenna low profile designs allow for seamless installation indoors without creating eyesores or potential interference with indoor personnel. These ceiling antennas have low loss pigtailed that allows for installation flexibility.

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

The omni antenna FM51250 from Fairview Microwave provides a higher quality connection and improved longevity. Order your 1-port low Indoor DAS ceiling Omni Antenna FM51250 from Fairview Microwave today. There is no MOQ (minimum order quantity) and the product ships same day from our warehouse.

Configuration

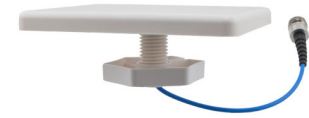
Design	Ceiling
Gain	3.5 dBi
Polarization	Horizontal
Connector Type	4.3-10 Female
Number of Ports	1

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	698		4,200	MHz
Input VSWR			1.8:1	
Impedance		50		Ohms
Gain	3.5		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	0.698-0.806	0.806-0.96	1.35-1.71	1.71-2.7	3.3-4.2	GHz
Gain	3.5	3.5	4	4.5	5	dBi
Horiz. Beam Width	360	360	360	360	360	Degrees
Vert. Beam Width	360	360	360	360	360	Degrees



Features:

- Indoor distribution of 5G, LTE, GSM/CDMA
- Rectangular shape enables seamless blend in with ceiling tiles
- 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
- 4.3-10 Female connector for long lasting consistent results
- Covers 5G frequency bands including 600 MHz and extended CBRS

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VSWR 1.8:1 1.8:1 1.8:1 1.8:1 1.8:1

Mechanical Specifications

Radome Material ABS

Size

Length 7.08661 in [180 mm]
Width 5.90551 in [150 mm]
Height 0.590551 in [15 mm]
Weight 0.695 lbs [315.25 g]

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 Ceiling Omni Antenna, 5 dBi, 698 MHz - 4200 MHz, 4.3-10 Female, 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 Ceiling Omni Antenna, 5 dBi, 698 MHz - 4200 MHz, 4.3-10 Female, Low PIM FM51250](#)

URL: <https://www.fairviewmicrowave.com/wide-band-antenna-6-dbi-4.3-10-female-fm51250-p.aspx>

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

NOTES:

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

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