

### Indoor DAS Panel Antenna, 7/10 dBi gain, 2 x 617-960 MHz / 1695 -2700 MHz & 2 x 3300-6000 MHz, N-Female

Fairview Microwave's Indoor DAS Panel Antenna FM51243 is in stock and ready to ship the same-day of order. The FM51243 indoor panel antenna comes with 7/10dBi gain and N female connectors. This indoor DAS panel omni antenna has a wide band frequency range from 617 MHz to 6000 MHz and is connectorized with 2 x 617-960 MHz / 1710-2700 MHz & 2 x 3300-6000 MHz ranges. The 4 port capabilities increase the 5G data speeds up to 4 x that of a single antenna. Fairview Microwave's N 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 FM51243 indoor DAS panel antenna. This indoor wall antenna has a low PIM rating and low-loss pigtailed with 80/75 and 60/60 degree horizontal beamwidths and 70/60 and 35/35 degree vertical beamwidths that provide installation flexibility. The 7/10dBi panel antenna low profile designs allow for seamless installation indoors without creating eyesores or potential interference with indoor personnel. These indoor panel 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 FM51243 from Fairview Microwave provides a higher quality connection and improved longevity. Order your 4-port Indoor DAS Panel Antenna FM51243 from Fairview Microwave today. There is no MOQ (minimum order quantity) and the product ships same day from our warehouse.

#### Configuration

Design	Panel
Gain	6.5 dBi
Polarization	45 Deg. Slant
Connector Type	N Female
Interface 2	N Female
Interface 3	N Female
Interface 4	N Female
Number of Ports	4

#### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	617		6,000	MHz
Input VSWR			1.7:1	
Impedance		50		Ohms
Gain	6.5		10.5	dBi
Input Power			100	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	0.617-0.96	1.695-2.7	3.3-4	4.8-6		GHz



#### 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 N-Female connector
- Covers all sub 6 GHz 5G frequency bands including 600 MHz and extended CBRS

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Port to Port Isolation	20	20	23	23	dB
Gain	6.5	7	10.5	10.5	dBi
Horiz. Beam Width	80	75	60	60	Degrees
Vert. Beam Width	70	60	35	35	Degrees
VSWR	1.7:1	1.7:1	1.7:1	1.7:1	

**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 17.6 lbs [7.98 kg]

**Environmental Specifications**
**Temperature**

Operating Range -55 to +60 deg C

Humidity 100

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

**Plotted and Other Data**

Notes:

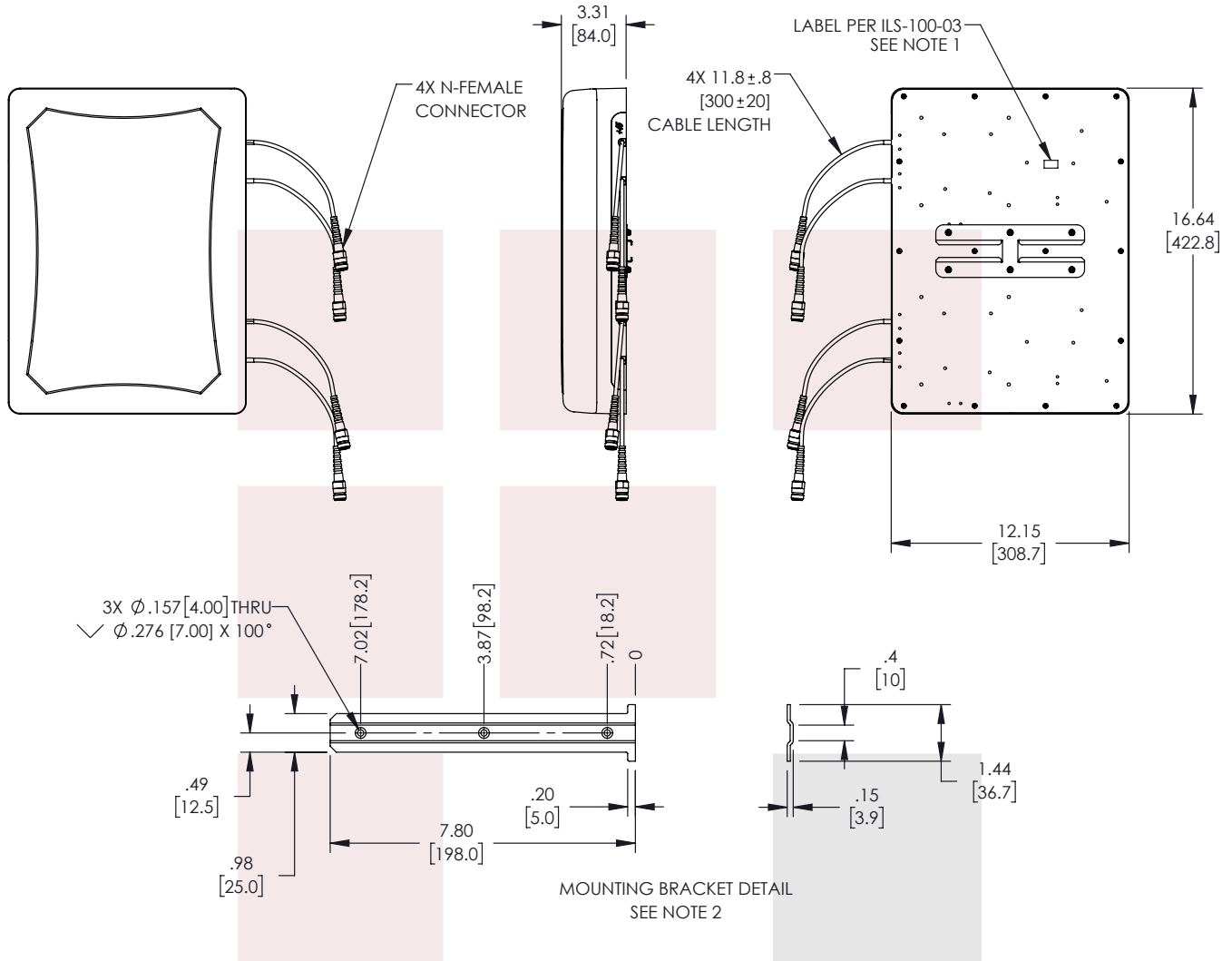
Indoor DAS Panel Antenna, 7/10 dBi gain, 2 x 617-960 MHz / 1695 -2700 MHz & 2 x 3300-6000 MHz, N-Female from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Indoor DAS Panel Antenna, 7/10 dBi gain, 2 x 617-960 MHz / 1695 -2700 MHz & 2 x 3300-6000 MHz, N-Female FM51243](#)

URL: <https://www.fairviewmicrowave.com/wide-band-antenna-0-dbi-n-female-fm51243-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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TITLE

Indoor DAS Panel Antenna, 7/10 dBi gain, 2 x 617-960 MHz / 1695 -2700 MHz & 2 x 3300-6000 MHz, N-Female

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS ± 1/32  
.XX = ±.02 [.51] ANGLES ± 1°  
.XXX = ±.005 [.13]

CABLE LENGTH (L) TOLERANCES:

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

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE A	CAGE CODE 3FKR5	DRAWN BY AKRESOWSK	ITEM NO. FM51243	REV A
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T-Rev.D