



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

## Antennas Technical Data Sheet

**PE51243**

### 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

### Description

Pasternack's Indoor DAS Panel Antenna PE51243 is in stock and ready to ship the same-day of order. The PE51243 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. Pasternack'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 PE51243 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 Pasternack'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 PE51243 from Pasternack provides a higher quality connection and improved longevity. Order your 4-port Indoor DAS Panel Antenna PE51243 from Pasternack today. There is no MOQ (minimum order quantity) and the product ships same day from our warehouse.

### Configuration

Design	Panel
Band Type	Wide
Radiation Pattern	Directional
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	Minimum	Typical	Maximum	Units
Frequency Range	617		6,000	MHz
Input VSWR			1.7:1	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Indoor DAS Panel Antenna, 7/10 dBi gain, 2 x 617-960 MHz / 1695 -2700 MHz & 2 x 3300-6000 MHz, N-Female PE51243](#)



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

## Antennas Technical Data Sheet

**PE51243**

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 Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.617 to 0.96	1.695 to 2.7	3.3 to 4	4.8 to 6		GHz
Gain	6.5	7	10.5	10.5		dBi
Port to Port Isolation	20	20	23	23		dB
Horizontal Beam Width	80	75	60	60		Degrees
Vertical Beam Width	70	60	35	35		Degrees
VSWR Max	1.7:1	1.7:1	1.7:1	1.7:1		

### Mechanical Specifications

Radome Material ABS

#### Size

Overall 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:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Indoor DAS Panel Antenna, 7/10 dBi gain, 2 x 617-960 MHz / 1695 -2700 MHz & 2 x 3300-6000 MHz, N-Female PE51243](#)



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

## Antennas Technical Data Sheet

**PE51243**

Indoor DAS Panel Antenna, 7/10 dBi gain, 2 x 617-960 MHz / 1695 -2700 MHz & 2 x 3300-6000 MHz, N-Female from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Indoor DAS Panel Antenna, 7/10 dBi gain, 2 x 617-960 MHz / 1695 -2700 MHz & 2 x 3300-6000 MHz, N-Female PE51243](https://www.pasternack.com/6.5-dbi-wide-band-panel-antenna-617-6000-mhz-n-type-female-connector-pe51243-p.aspx)

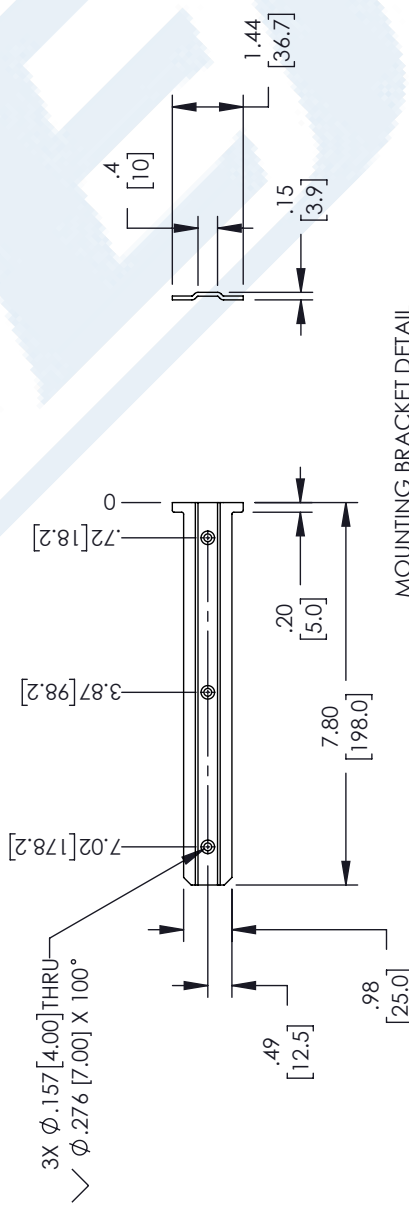
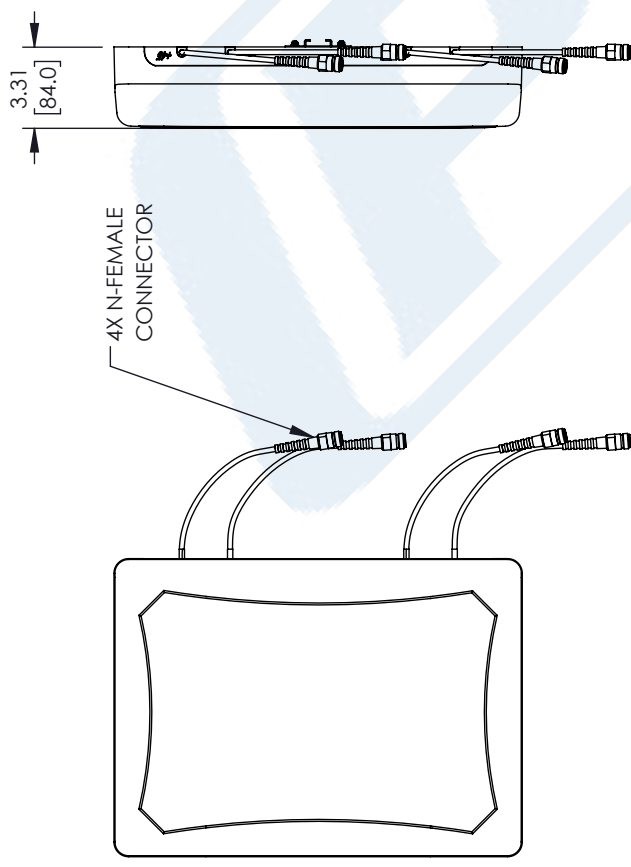
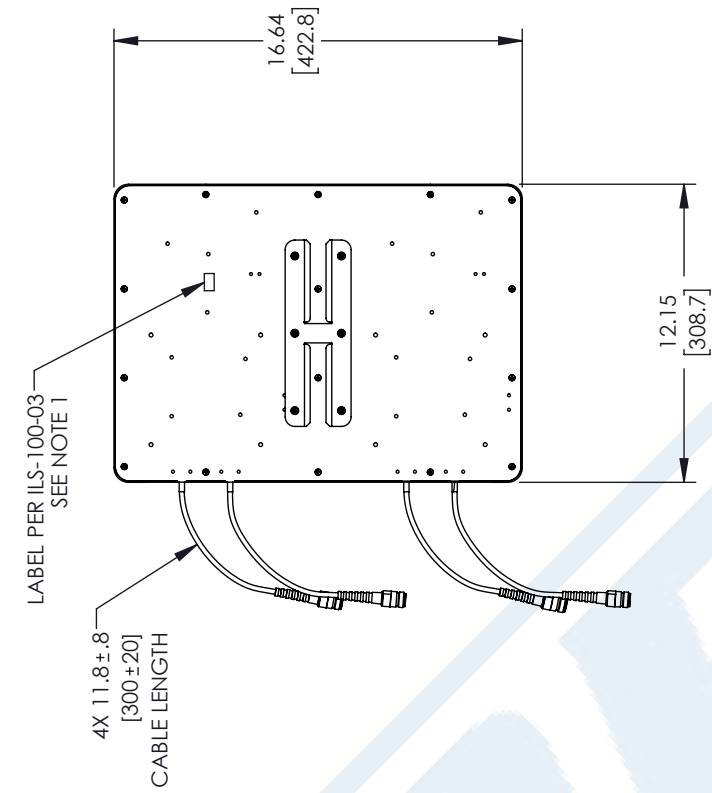
URL: <https://www.pasternack.com/6.5-dbi-wide-band-panel-antenna-617-6000-mhz-n-type-female-connector-pe51243-p.aspx>

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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE51243 CAD Drawing

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

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



MOUNTING BRACKET DETAIL  
SEE NOTE 2

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% / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.

SHEET 1 OF 1  
SCALE N/A

**PE PASTERNAK**  
an INFINITI brand

Pasternack Enterprises, Inc.  
P.O. Box 16759, Irvine, CA 92623.  
Phone: 1.949.261.1920 | 1.866.727.8376  
Fax: 1.949.261.7451  
Website: www.pasternack.com  
E-mail: sales@pasternack.com

SIZE A CAGE CODE 53919 DRAWN BY AKRESOWSK REV A  
ITEM NO. PE51243

- 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.
- THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.