



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

Antennas Technical Data Sheet

PE51245

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 5G frequency bands including 600 MHz and extended CBRS

Description

Pasternack's Indoor DAS Panel Antenna PE51245 is in stock and ready to ship the same-day of order. The PE51245 indoor panel antenna comes with 6.5dBi high gain, 4X4 MIMO and N 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. Pasternack's Low PIM (low internal noise) 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 PE51245 indoor DAS panel antenna. The indoor wall antenna has a low PIM rating and low-loss pigtails 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 pigtails 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 PE51245 from Pasternack provides a higher quality connection and improved longevity. Order your 4-port low PIM (low noise) Indoor DAS Panel Antenna PE51245 from Pasternack today. There is no MOQ (minimum order quantity) and the product ships same day from our warehouse.

Configuration

Design	Panel
Application Band	MIMO
Band Type	Wide
Radiation Pattern	Directional
Polarization	Vertical/Horizontal
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	698		4,000	MHz

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, 6.5 dBi, 698 MHz- 4000 MHz, N-Female, 4x4 MIMO, Low PIM PE51245](#)



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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 Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.698 to 0.96	1.71 to 2.7	3.3 to 4			GHz
Gain	6	6.5	6.5			dBi
Port to Port Isolation	15	20	23			dB
Horizontal Beam Width	75	70	68			Degrees
Vertical Beam Width	70	70	60			Degrees
VSWR Max	1.8:1	1.8:1	1.8:1			

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	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:

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Indoor DAS Panel Antenna, 6.5 dBi, 698 MHz- 4000 MHz, N-Female, 4x4 MIMO, Low PIM 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, 6.5 dBi, 698 MHz- 4000 MHz, N-Female, 4x4 MIMO, Low PIM PE51245](https://www.pasternack.com/7-dbi-wide-band-panel-antenna-698-4000-mhz-n-type-female-connector-pe51245-p.aspx)

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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.

PE51245 CAD Drawing

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