

DT55D-HVPANEL-14

Dual Polarised Panel Antenna



The Datasat DT55D-HVPANEL-14 Dual Polarised Panel WiFi antenna is ideal for long distance point-to-point links. It takes full advantage of the interference-free 5GHz band to extend the reach of outdoor wireless networks. Its dual polarised design and high gain increases the received signal for a wide range of 802.11a/n/ac and MIMO wireless LAN applications.

Electrical Specifications

Frequency (MHz)	4900–5900
Gain (dB)	2 X 14±0.5
VSWR	1.5:1
H Plane BW (°)	24 ± 2
E Plane BW (°)	24 ± 2
Polarisation	V & H
Port to Port Isolation	> 30
Max. Power Input (Watts)	50
Impedance (Ω)	50
Front to Back Ration (dB)	> 26
Cross Point (dB)	> 22
Connector Termination	2 X N(F)

> Key Features

- Dual polarisation for efficient RF transmission
- Designed for MIMO applications
- Compatible with 802.11a/n/ac
- Rugged outdoor construction
- High gain up to 14dBi
- 20° mechanical down-tilt mast mounting and hardware
- Effective operation between +70°C and -40°C
- Includes 2" pole mounting hardware
- Port-to-port isolation under 30dB
- RoHS and WEEE compliant
- Seamless integration with Datasat QuadraFlex products

Mechanical Specifications

Dimensions (mm)	300 X 300 X 10
Gross Weight (Kg)	1.2
Radome	UV Stabilised ABS
Mounting Hardware	MS Galvanised & Powder Coated
Mountng Style	Tower, Pole and Wall
Mechanical Down-Tilt	20°

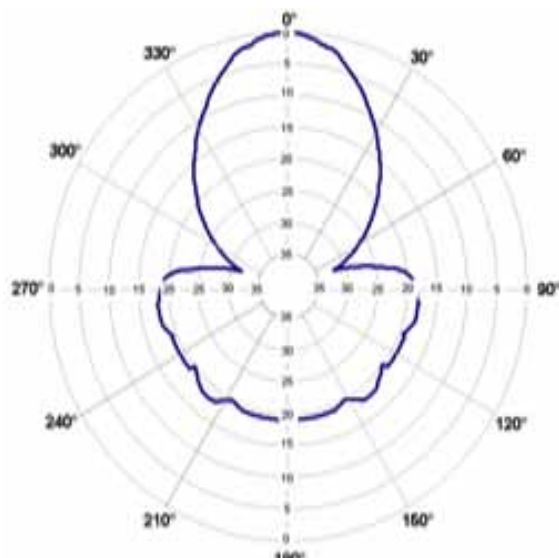
**Ideally suited for:
MIMO Applications,
802.11n/ac wireless LANs,
Wireless Internet Providers
'Cell' Sites,
Public WiFi Hotspots**

Environmental Specifications

Temperature Range (°C)	(-) 40 to (+) 70
Wind Speed (km/hr)	200
Humidity	95% No Condensation
Water Protection	IP 65
RoHS / WEEE Comply	Complied

Optional Models

Model	Gain
DT55D-HVPANEL-18	2 x 18±0.5



> Polarisation

-
- E Plane
 - H Plane

Contact us today with your communications requirements
on +44 (0)118 934 9199 or email us at sales@datasat.com