

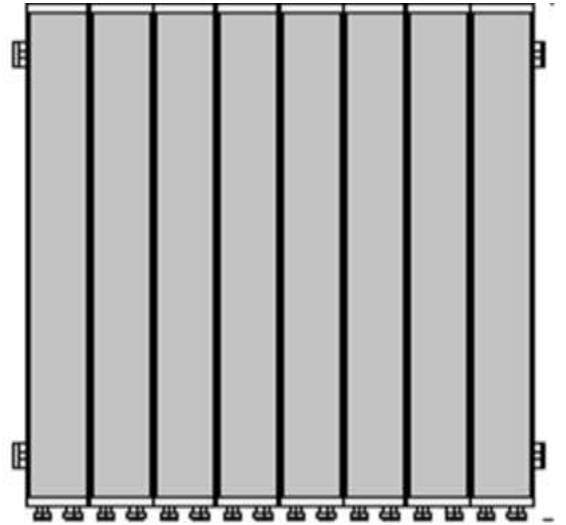


## ETI DuoPol 1.8GHz Antenna System

Model No. ET2P1800X88

ET Industries DuoPol antenna systems provide multibeam and frequency reuse beam forming technology designed for use in wireless telecom networks increasing coverage and capacity.

- X-Polarized (+45° and - 45°) or Horizontal/Vertical
- Multibeam Sector Technology for improved network capacity and throughput
- Ultra-High Gain for increase coverage
- Multiple sectors (up to 12) with only 3 antennas
- UV Resistance Radome
- MIMO and NIMO (Non-Interfering Multiple Outputs) ready



### Electrical Specifications:

Frequency Range	1700-1900 MHz
VSWR	< 1.4:1
Impedance	50 Ω
Connector for BFN	4xN-Type Female
Connector for Antenna	16xN-Type Female
Gain	22 dBi
Vertical Beamwidth (Half Power)	11°
Horizontal Beamwidth (Half Power)	** SEE NOTE BELOW
Sidelobe Suppression	> 25 dB
Front to Back Ratio	> 30 dB
Isolation Between Ports	>25 dB
Cross Polarization Ratio (Main)	25 dB (Typical)
Max Power	400 Watts

\*\* ETI's Antenna Systems incorporate beam forming and beam shaping networks. By varying the configuration to the BFN 30°, 60°, 90° or 120° subsector beams can be produced to cover 90° and 120° sectors with the same antenna system.

For 30°, 60°, 90°, and 120° the horizontal beam width has ± .6, ±1.2, ±1.8, and ±2.4 beam width variation across the frequency band respectively. The vertical beam width 85°, 42°, 21°, 10.5°, 7°, and 5° has a ± .15, ±.3, ±.6, ±1.2, and ±2.4 across the band respectively.



**Mechanical Specifications:**

Length	32.94in (837 mm)
Width	25.75 in (654 mm)
Depth	3.91 in (100 mm)
Weight (Including Mounting)	33.1 lbs (~15 kg)
Mounting	Mounting Bracket Conforming to Site Location
Remote Electrical Tilting (RET)	-5° to +15°

**Environmental Specifications:**

Wind- Loading Max	165 MPH (265 KPH)
Operation Temperature	-40°C to 65°C
Protection Against Lighting	Lightning Protection Kit Included

