



# Directional Flat Panel Antenna



- Model: FTD-5158PB14V45L
- Name: Directional Flat Panel Antenna
- Freq.Range: 5150 to 5850 MHz
- Communications system:
  - 5.1 to 5.8GHz WLAN/WIFI/ISM/UNII,
  - 5.1 to 5.8GHz Spread Spectrum Communication
- Application scenario:
  - Point to point, Point to multipoint,
  - Wireless data and image transmission,
  - Outdoor signal directional coverage,
  - Public wireless hotspot coverage,
  - IEEE802.11a/n

Tip: Pictures are for reference only.  
Please refer to physical objects.

## Electrical Specifications

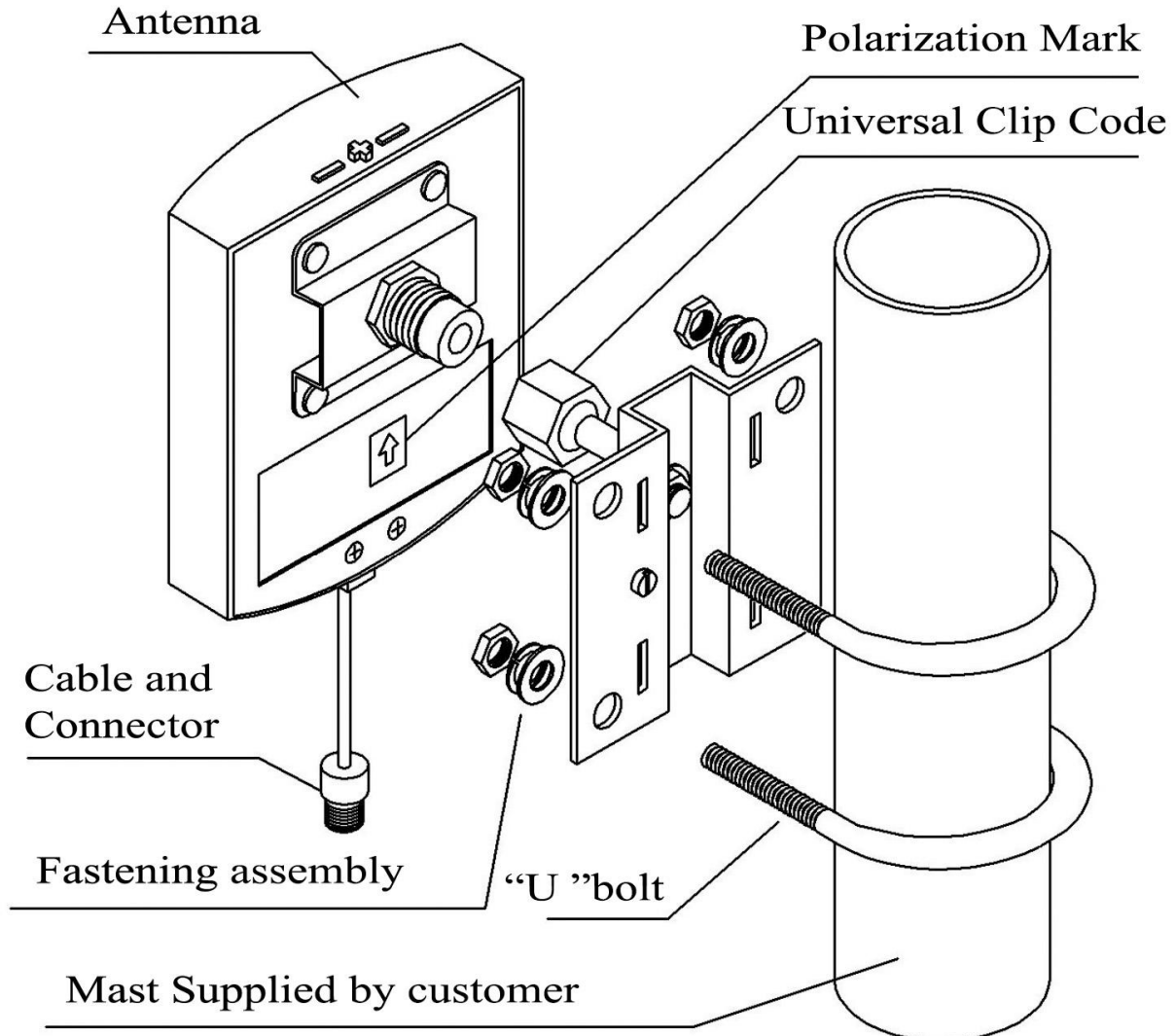
Freq.Range-MHz	5150 to 5850
Bandwidth-MHz	700
Polarization	Vertical
Gain-dBi	14
Beam Electrical Downtilt-°	0
Half-power beam width-°	H:45 E:30
F/B-dB	≥ 20
Impedance-Ω	50
VSWR	≤ 2.0
Max.Power-W	50
Lightning Protection	DC Grounded

## Mechanical Specifications

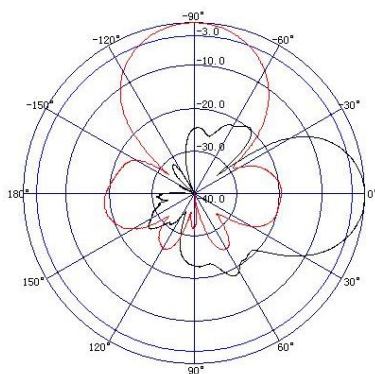
Connector	N female or Customized
Connector Position	Cable outgoing
Cable Length-CM	15CM or Customized
Dimension-MM	About 125×97×30
Weight-KG	About 0.3
Radome material	ABS
Radome color	Gray
Mechanical tilt-°	0 to 20
Operational Temperature-°C	-40 to 60
Storage Temperature-°C	-55 to 85
Relative Humidity-%	5 to 95
Rated Wind Velocity-M/S	60
Mounting way	Mast
Mast Diameter-MM	Φ35 to 50



## Installation Demonstrations



## Typical pattern & Communication channel



5150~5850  
V

N