

# IANT-5158S-26dBi-D-N-P1

## Die Cast Grid Antenna Technical Sheet



### Applications

- 5.1/5.5/5.8GHz WLAN/WiMax
- Long-Range Directional Applications
- Point to Point Systems
- Wireless Bridges

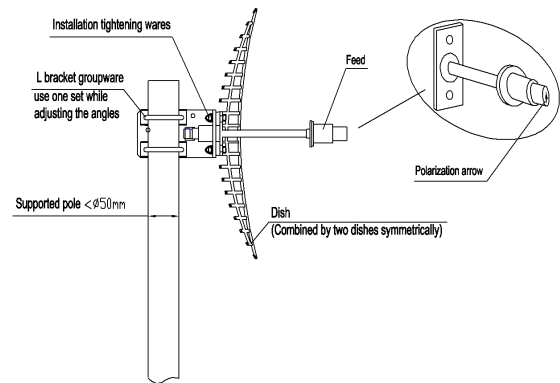
### Features

- High Gain up to 26.5 dBi
- Wideband Work Capability
- V/H Polarization is Compatible
- Aluminum Die Cast Grid
- UV Stable light Gray Powder Coat Finish
- All Weather Operation
- Easy to Assemble

### Specifications

|                  |                         |
|------------------|-------------------------|
| Model            | IANT-5158S-26dBi-D-N-P1 |
| Freq. Range-MHz  | 5150~5850               |
| Gain-dBi         | 26.5                    |
| Beamwidth-°      | E:9 H:6                 |
| F/B-dB           | ≥25                     |
| VSWR             | ≤1.5                    |
| Impedance-Ω      | 50                      |
| Polarization     | Vertical or Horizontal  |
| Max. Power-W     | 100                     |
| Connector Type   | N Female                |
| Dimension-m      | 0.4×0.6                 |
| Weight-Kg        | 2.4                     |
| Pole Diameter-mm | φ 40~50                 |

### Install Sketch



#### Installation ways:

1. Combine two dishes symmetrically to compose a parabolic groupware.
2. Install the feed to the dish as per the sketch, ensure that the direction of the "polarization arrow" on the feed is the same with the direction of the grid. When the direction of the arrow and the grid are both vertical with the ground, the antenna is in vertical polarization state. When the direction of the arrow and the grid are both horizontal with the ground, the antenna is in horizontal polarization state.
3. Install the L bracket to the dish, then place the antenna to the supported pole as per the sketch.
4. Test the receiving signal by instruments, adjust the azimuth angle and the pitching angle to enlarge the receiving signal. Tighten all the nuts and seal the connector for joining the antenna and the feed.