

### QP - AA17S120-NF

Sectorized Omni Array

## Sectorial Antennas

2.4 Ghz; 17dBi

### Description

The QPCOM<sup>®</sup> Sectorized Omni Array features our high performance 2.4 GHz, 17 dBi, 120° sectorial antennas. Each of the three antennas in this array can be adjusted individually (0-20° up or down tilt) to compensate for the geography of the installation location. This helps ensure maximum coverage of the array for service providers in the 2.4GHz ISM band.

Its design helps to optimize tower space, and the stainless steel construction is ideal for all-weather operation.

Single Fed Model (1 Input into 3 Antennas)

Ideal for smaller applications, the sectorized omni array is available as a single fed system (1 input into 3 antennas). Since each antenna is fed from a 3-Way signal splitter, only a single radio/amplifier is required. As the system grows additional capacity can be added by simply adding more base station radios and bypassing the splitter's array, thus feeding each antenna from a separate radio. Single fed models feature a industrial grade 3-Way signal splitter with N-Female connectors and three 2 ft. (0.6m) 400-Series jumper cables.

### Heavy Duty Construction

The sectorized omni arrays are designed for all-weather operation. They feature heavy-duty plastic antenna radomes and stainless steel mounting systems. The array can be mounted directly onto masts 1¼" to 2" (31.7 to 50.8 mm) in dia using the provided U-Bolts or bolted directly to square masts/beams up to 3¼" (82.5mm) square. The mounting bracket can also accept 3" (76.2 mm) U-Bolts (not included) for larger masts.

### Features

Applications:

- 2.4 GHz ISM Band
- IEEE 802.11b, 802.11g, 802.11n Wireless L- 0-20° mechanical up/down tilt
- DC ground lightning protection AN
- Point to Multi-Point Systems
- Wireless Broadband Systems

Features:

- Tri-Antenna Array with 360° coverage
- High performance sectorial antennas
- Single fed models feature 3-Way signal splitter and jumper cables

Single Fed Models (1 Input into 3 Antennas) Includes:

- (3) 120° Sector Antennas
- (1) 3-Way Signal Splitter w/N-Female Connectors
- (3) 2 ft. 400-Series Jumper Cables - N-Male to N-Male
- (1) Array Mounting System

The 120° Sector Antenna is also available as a Individual Fed Model (3 Inputs into 3 Antennas).

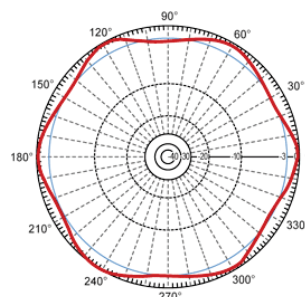




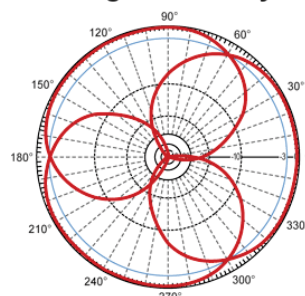
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### RF Antenna Patterns



**Single Fed Array**



**Individual Fed Array**

### Specifications

#### Electrical Specifications

Frequency	2400 - 2500 MHz
Gain	17 dBi
Polarization	Vertical
Horizontal Beam Width (Individual Antenna)	120°
Vertical Beam Width (Individual Antenna)	65°
Power Rating (Single Feed)	25 Watts

#### Physical Specifications

Weight	31 lbs. (14 kg)
Dimensions **(O.D. Panels Fully Retracted)	39" (990 mm) x 17" (432 mm) O.D.**
Antenna Radome Material	UV-inhibited Plastic
Lightning Protection	DC Ground
RoHS Compliant	Yes
Mounting System Material	Stainless Steel
Mounting (Round Mast)	1¼" to 2" (31.7 to 50.8 mm) dia.
Mounting (Square Mast/Beam)	3¼" (82.5 mm) square max.