



## High Performance Die Cast Reflector 2.4 GHz; 24 dBi

### Description

#### Superior Performance

The QPCOM QP-AO24G24 High-Performance Reflector Grid Wi-Fi Antenna provides 24 dBi gain with an 8 degree beam-width for long-range highly directional applications. Applications include point to point systems, point to multi-point and wireless bridges in the 2.4GHz ISM band as well as IEEE 802.11b, 802.11g and 802.11n wireless LAN systems. It can be installed for either vertical or horizontal polarization.

#### Rugged and Weatherproof

This 24dB grid antenna's construction features a rust-proof die cast aluminum reflector grid for superior strength and light weight. This antenna's 2-piece reflector grid is simple to assemble and significantly reduces shipping costs. The grid surface is UV powder coated for durability and aesthetics. The open-frame grid design minimizes wind loading.

The QP-AO24G24 antenna is supplied with a 60 degree tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment. It can be adjusted up or down from 0° to 60°.

## QP - AO24G24 series

Wireless LAN Grid Antenna

### Features

- Superior performance
- Die Cast aluminum construction
- UV stable light gray powder coat finish
- All weather operation
- 8° beam-width
- 12 inch coax lead
- Easy to assemble
- RoHS Compliant

### Applications

- 2.4 GHz ISM Band
- IEEE 802.11b, 802.11g Wireless LAN
- IEEE 802.11n (Pre-N, Draft-N, MIMO) Applications
- WiFi Systems
- Long-range Directional Applications
- Point to Point Systems
- Point to Multi-point Systems
- Wireless Bridges
- Backhaul Applications
- Wireless Video Systems

### Available Models

Model	Connector
QP-AO24G24-NF	N-Female
QP-AO24G24-NM	N-Male
QP-AO24G24-TF	TNC-Female
QP-AO24G24-TM	TNC-Male
QP-AO24G24-SM	SMA-Male
QP-AO24G24-RTP	Reverse Polarity TNC Plug
QP-AO24G24-RTJ	Reverse Polarity TNC Jack
QP-AO24G24-RNP	Reverse Polarity N Plug
QP-AO24G24-RNJ	Reverse Polarity N Jack
QP-AO24G24-RSP	Reverse Polarity SMA Plug





## QP - A024G24 series

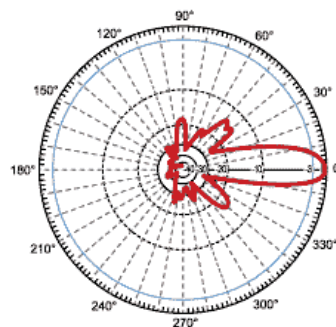
Wireless LAN Grid Antenna

### Specifications

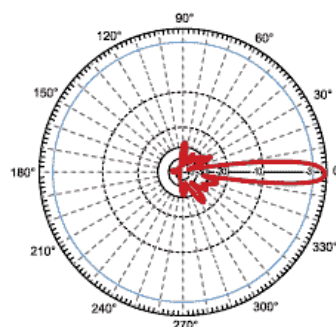
#### Electrical Specifications

Frequency	2400-2500 MHz
Gain	24 dBi
-3 dBi Beam Width	8 degrees
Cross Polarization Rejection	26 dBi
Front to Back Ratio	24 dB
Sidelobe	-20dB Max
Max. Input Power	50 Watts
VSWR	< 1.5:1 avg.

#### RF Antenna Patterns



Vertical



Horizontal

#### Physical Specifications

Weight	8 lbs. (3.62 kg)
Grid Dimensions	39.5 in. (100 cm) x 23.5 in (60 cm)
Mounting	1.25 in. thru 2 in. (31.8 – 50.8) diameter mast max
Elevation Angle	0 to +10 degrees
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
RoHS Compliant	Yes

