

Array Sector 3-18 DS

SECTOR ANTENNA WITH CARRIER CLASS PERFORMANCE

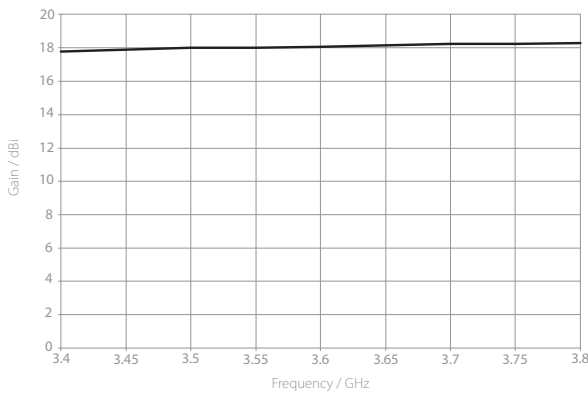
RF elements® 3 GHz Array Sector antennas are optimized for high performance in 3400 - 3800 MHz (LTE bands 42, 43). They offer excellent RF performance, co-location capability, easy installation, and cost-efficiency. The gain of 3 GHz Array Sector is stable in both polarizations, offering excellent and reliable performance.

The side lobes of Array Sector antennas are suppressed using BackShield™, our patented, frequency selective surface attenuating azimuth side lobes and back lobe, integrated into the antenna body. The antenna is light and made of high-quality non-corrosive materials for long-lasting performance.

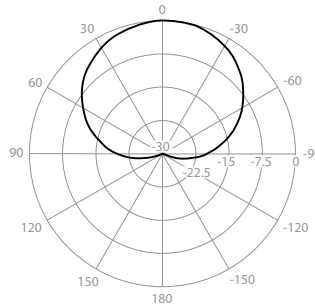


3 GHz 18 dBi

Gain + 45°

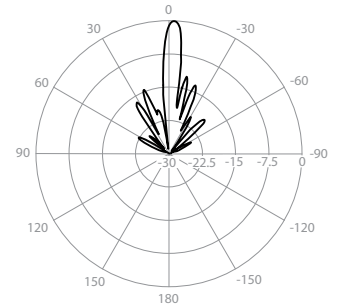


Azimuth Pattern + 45°



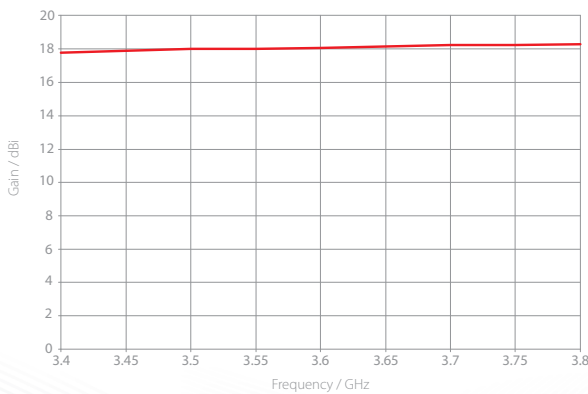
+ 45° - Port Pattern Azimuth 3.5 GHz

Elevation Pattern + 45°

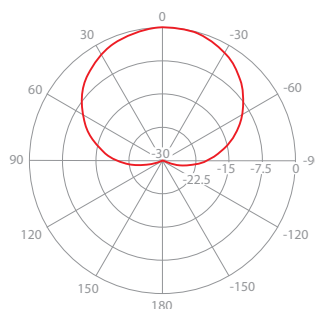


+ 45° - Port Pattern Elevation 3.5 GHz

Gain - 45°

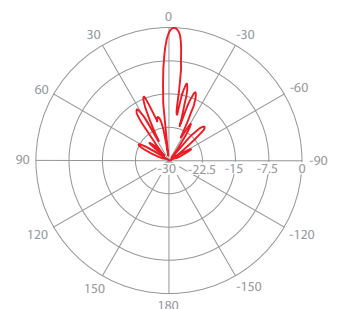


Azimuth Pattern - 45°



- 45° - Port Pattern Azimuth 3.5 GHz

Elevation Pattern - 45°



- 45° - Port Pattern Elevation 3.5 GHz

PHYSICAL

Antenna Connection	2x N Female Bulkhead Connector
Antenna Type	Patch Array Sector
Materials	UV Resistant ABS Plastic, Aluminium Alloy, Stainless Steel
Environmental	IP55
Temperature	-35°C to +60°C (-31°F to +140°F)
Wind Survival	160 km/h (100 mi/h)
Wind Load	217/65 N - Front/Side at 160 km/h (100 mi/h)
Effective Projected Area	1782/533 cm ² - Front/Side (276.2/82.6 inch ²)
Electrical Downtilt	2°
Pole Mounting Diameter	40-80 mm (1.5-3.1 inch) Recommend as close to 80 mm (3.1 inch) as possible
Weight	3.5 kg (7.7 lbs) – single unit 4.3 kg (9.4 lbs) – single unit incl. package
Single Unit	Retail Box: 834 x 167 x 130 mm (32.8 x 6.5 x 5.1 inch)

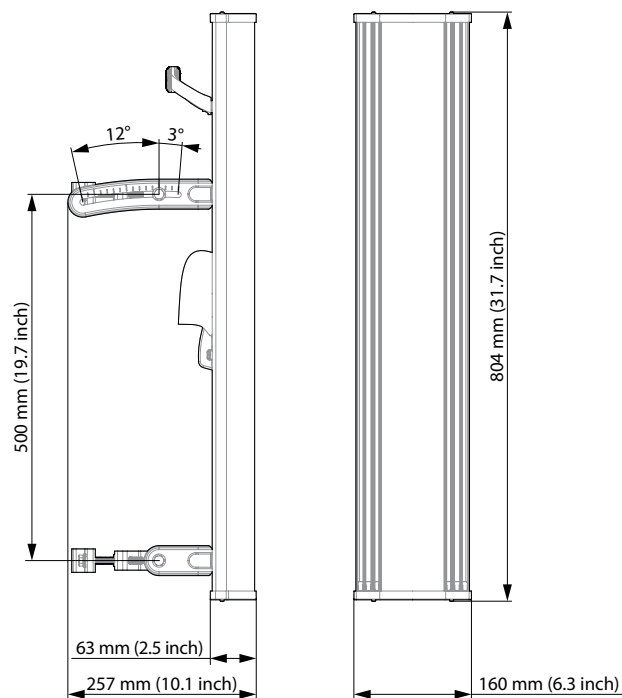
PERFORMANCE

Frequency Range	3.4 - 3.8 GHz
Gain	18 dBi
Polarization	Dual Slant
Azimuth Beam Width -3 dB	64° both polarizations
Elevation Beam Width -3 dB	6.5° both polarizations
Azimuth Beam Width -6 dB	90° both polarizations
Elevation Beam Width -6 dB	9.2° both polarizations
Front-to-Back Ratio (Min)	35 dB
Beam Efficiency*	74 %
Cross Pol Isolation	17 dB
Impedance	50 Ohm
VSWR Max	1.6
VSWR Typical	1.3
Isolation Between Ports	28 dB

COMPATIBLE WIRELESS PLATFORMS

Ubiquiti Networks	Rocket M3, Rocket M365
Cambium Networks	PMP 450i
Baicells	Nova436Q, Nova430/430i, Nova846
Telrad	BreezeCOMPACT 3000, BreezeCOMPACT 1000
Airspan	AirHarmony 4200
BLiNQ	FW-600 LTE B41, FW-600 Dual-Band MIMO B56 B48, FW-600 MIMO LET B48
Other	Any radio with coaxial output

PRODUCT DIMENSIONS



*main beam defined up to first null