

# Array Sector 3-17 DS

## SECTOR ANTENNA WITH CARRIER CLASS PERFORMANCE

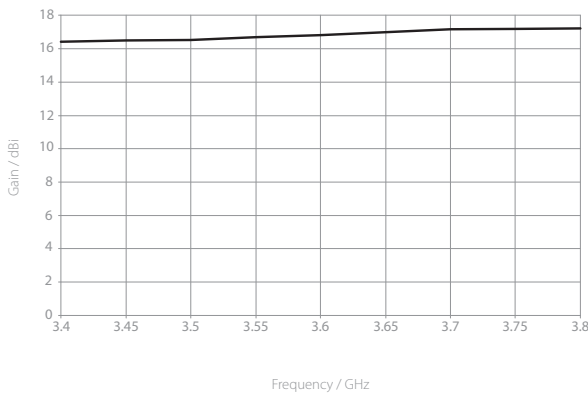
RF elements® 3 GHz Array Sector antennas are optimized for high performance in 3400 - 3800 MHz (LTE bands 42, 43). They offer excellent RF performance, co-location capability, easy installation, and cost-efficiency. The gain of 3 GHz Array Sector is stable in both polarizations, offering excellent and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

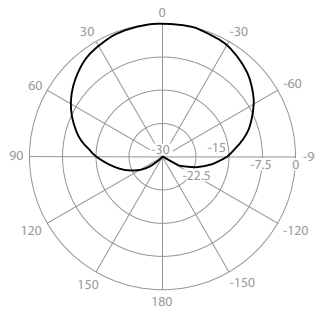


### 3 GHz 17 dBi

Gain + 45°

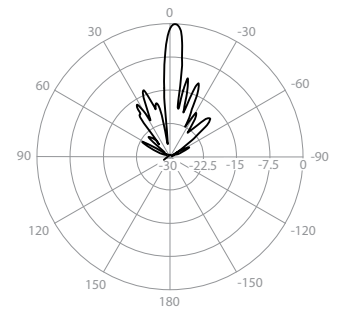


Azimuth Pattern + 45°



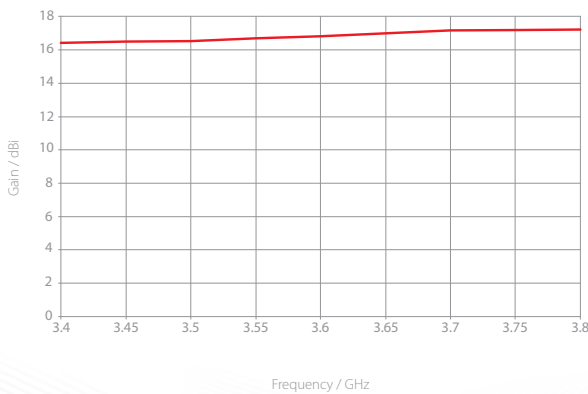
+ 45° - Port Pattern Azimuth 3.5 GHz

Elevation Pattern + 45°

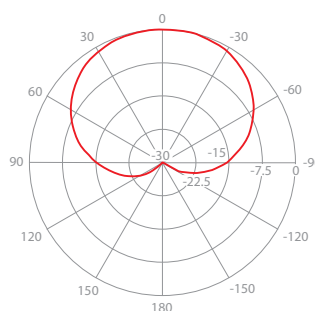


+ 45° - Port Pattern Elevation 3.5 GHz

Gain - 45°

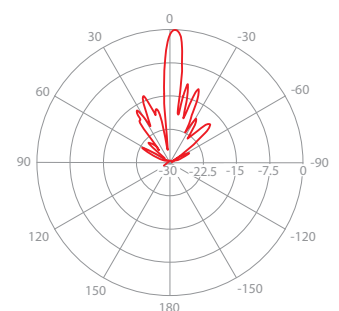


Azimuth Pattern - 45°



- 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 <sup>2</sup> - Front/Side (276.2/82.6 in <sup>2</sup> )
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)

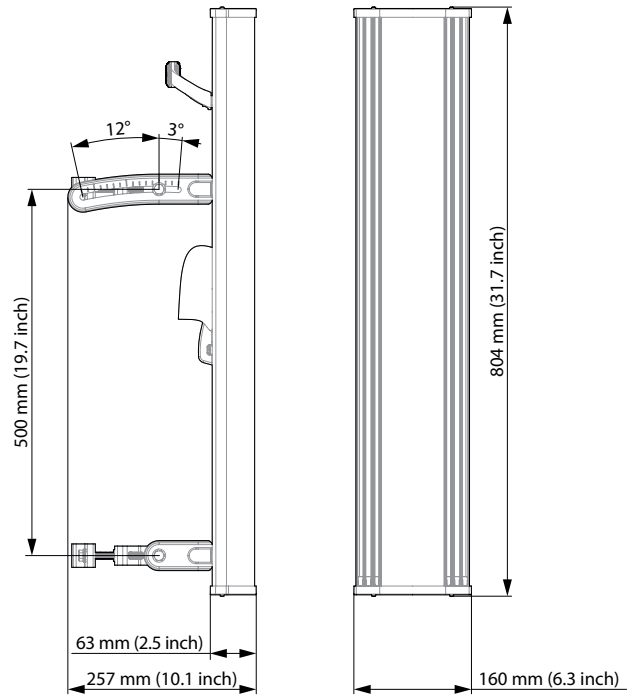
**PERFORMANCE**

Frequency Range	3.4 - 3.8 GHz
Gain	17 dBi
Polarization	Dual Slant
Azimuth Beam Width -3 dB	87° both polarizations
Elevation Beam Width -3 dB	6.5° both polarizations
Azimuth Beam Width -6 dB	116° both polarizations
Elevation Beam Width -6 dB	9.2° both polarizations
Front-to-Back Ratio (Min)	35 dB
Beam Efficiency*	81 %
Cross Pol Isolation	16 dB
Impedance	50 Ohm
VSWR Max	1.6
VSWR Typical	1.3
Isolation Between Ports	26 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