Array Sector 3-17 HV

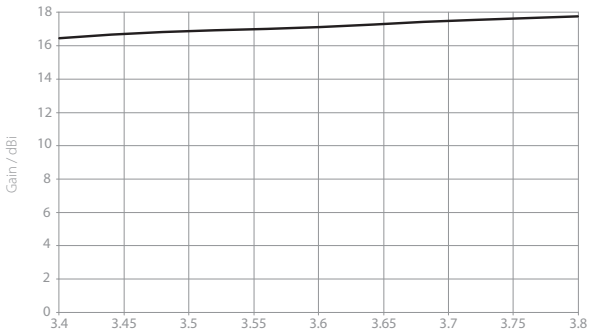
SECTOR ANTENNA WITH CARRIER CLASS PERFORMANCE

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.

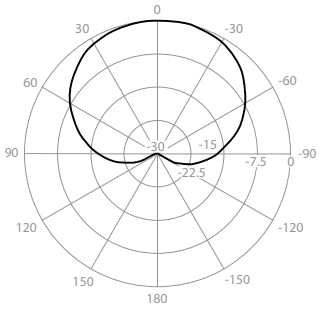
The side lobes of Array Sector antennas are suppressed using BackShield™, our patented, frequency selective surface attenuating azimuth side lobes and back lobe, integrated into the antenna body. The antenna is light and made of high-quality non-corrosive materials for long-lasting performance.

3 GHz 17 dBi

Gain H

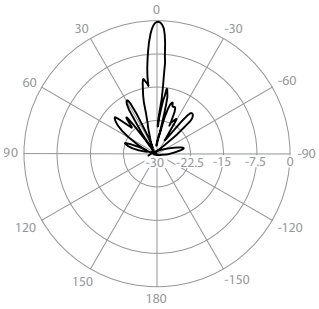


Azimuth Pattern H



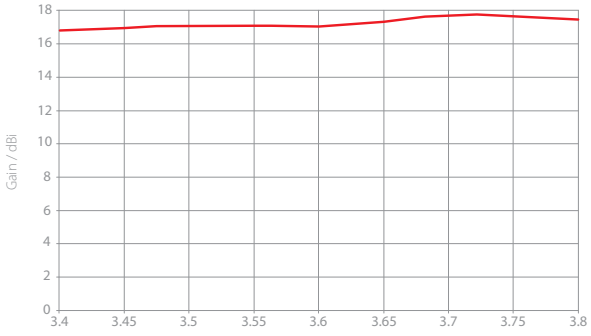
H - Port Pattern Azimuth 3.6 GHz

Elevation Pattern H

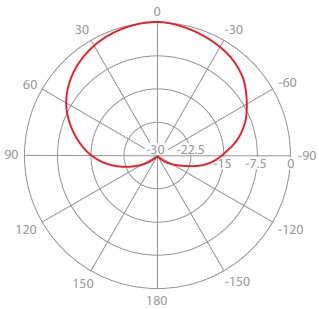


H - Port Pattern Elevation 3.6 GHz

Gain V

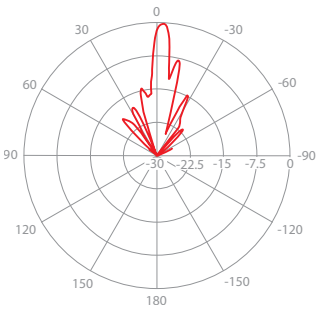


Azimuth Pattern V



V - Port Pattern Azimuth 3.6 GHz

Elevation Pattern V



V - Port Pattern Elevation 3.6 GHz

PHYSICAL

Antenna Connection	2x RP-SMA on integrated semi-flex pigtails
Antenna Type	Patch Array Sector
Materials	UV Resistant ABS Plastic, Aluminium Alloy, Stainless Steel
Enviromental	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	1782/543 cm^2 - Front/Side (276.2/84.2 $inch^2$)
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	3.9 kg (8.5 lbs) – single unit 4.2 kg (9.2 lbs) – single unit incl. package
Single Unit	Retail Box: 834 x 167 x 130 mm (32.8 x 6.5 x 5.1 inch)

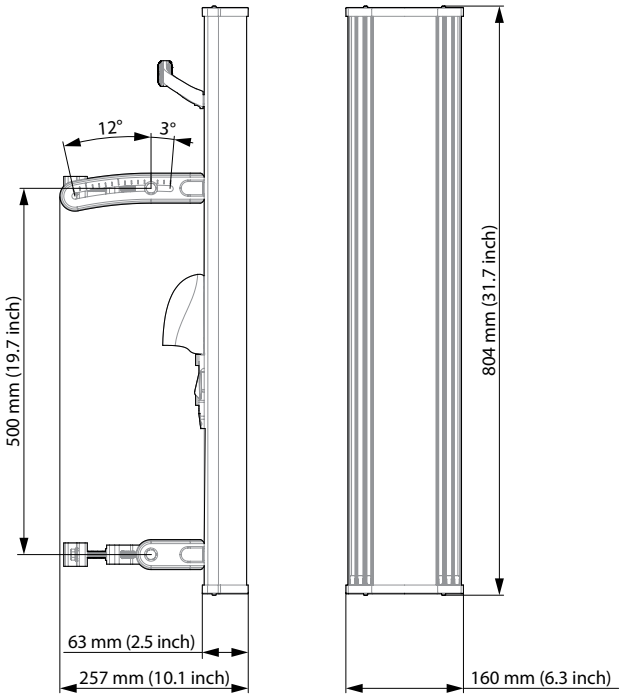
PERFORMANCE

Frequency Range	3.4 - 3.8 GHz
Gain	17.4 dBi
Polarization	Dual Linear H + V
Azimuth Beam Width -3 dB	H 91° / V 83°
Elevation Beam Width -3 dB	H 6° / V 6°
Azimuth Beam Width -6 dB	H 118° / V 118°
Elevation Beam Width -6 dB	H 9° / V 9°
Front-to-Back Ratio (Min)	30dB
Beam Efficiency*	87 %
Cross Pol Isolation	H 30 dB / V 30 dB
Impedance	50 Ohm
VSWR Max	1.6
VSWR Typical	1.3
Isolation Between Ports	30 dB

COMPATIBLE WIRELESS PLATFORMS

Ubiquiti Networks™	Rocket M3, Rocket M365

PRODUCT DIMENSIONS



*main beam defined up to first null