



## Industrial Class MIMO Panel Antenna

# XPOL 700-900PL

This heavy duty panel antenna provides an incredibly high gain over the new Telstra and Optus 700 MHz 4G networks, along with full fallback onto Next-G and 3G networks (850 MHz and 900 MHz).

This antenna has been carefully designed to provide the highest practical gain on the new 700 MHz 4G networks, ideal for long range Telstra 4GX and Optus 4G+ connections, and locations where signal strengths are extremely low.

The XPOL700-900 also offers best-in-class performance for 900 MHz point to point/multipoint wireless links. Offering a very low VSWR and <math>< -140\text{ dBc}</math> PIM, this antenna is not only ideal for tough receiver environments, but is suitable for broadcast and carrier operations while offering best-in-class performance.

The unavoidable limitation of operating on such a low frequency is its long wavelength, and as such the antenna is quite large. Consequently this antenna strictly requires a minimum 50mm diameter mounting pole, such as a Heavy Duty Galvanised Mast.

### Key Features

- Dual-polarised antenna feed with high isolation
- Industrial grade weatherproof FRP radome
- High gain, high F/B ratio
- Two integrated N Female connectors
- 700 MHz 4GX with full Next-G & 3G fallback.





## Specifications

- **Frequency Range** : 698 to 960 MHz
- **Input Impedance** : 50Ω
- **VSWR** : <1.6:1
- **Polarisation** : ±45° (XPOL)
- **Vertical Beamwidth** : 30° (± 15°)
- **Horizontal Beamwidth** : 30° (± 15°)
- **Front to Back Ratio** : >25 dB
- **Inter-Port Isolation** : >26 dB
- **PIM IMD (3rd Order)** : <-140 dBc
- **Radiation** : Directional
- **Maximum Power** : 100 Watts
- **Construction** : Heavy Duty FRP Radome, Galvanised mechanical-tilt bracket
- **Cable** : None
- **Input Connector** : 2x N-Type Female
- **Wind Rating** : 198 km/hr
- **Temperature** : -40 °C to +60 °C
- **Weight** : 12 kg
- **Dimensions** : 600 x 560 x 156 mm (L x W x D)
- **Mounting** : 50 to 100 mm Ø pole