**Beamforming Antenna Kit**

- **Beamformed Steering**
  Quasonix RDMS™ receivers automatically phase align the incoming signals—no tracking signal required; boresight is automatically steered to maximize gain

- **No Special Antennas Required**
  Works with antennas you may already own

- **Stationary Antenna Patches or Elements**
  No mechanical steering required

- **No Special Antenna Arrangement Required**
  Mount antennas where they can see the target

- **Easily Expandable for More Gain**
  Simple duplication of the basic building blocks, such as patch antennas and RDMS™ receivers

**4-Patch Antenna Array with Quasonix RDMS™ Receivers**
**Specifications**

- **Operating Frequency (Patch dependent)**: 1435.0 - 2400.0 MHz  
  4400.0 - 5250.0 MHz
- **Polarization**: Patch dependent
- **Patches on Boresight**: Four (4) (shown)
- **Antenna Gain (nominal, linear polarized receive, outputs combined)**: 12 dB gain typical for four (4) patches

**Environmental**

- **Temperature**: Operating -40°C to +52°C  
  Storage -54°C to +71°C

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Shaded region shows improvement from beamsteering

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Without Beamforming, Gain (dB) vs. Angle (deg)  
With Beamforming, Gain (dB) vs. Angle (deg)  
Beamforming Improvement, Gain (dB) vs. Angle (deg)