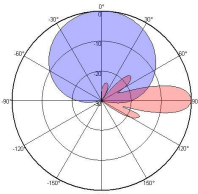


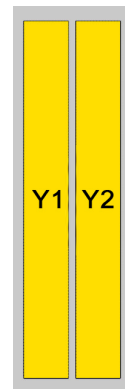
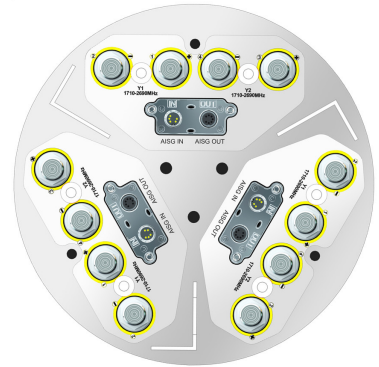
Tri-Sector XXPoI 1710~2690MHz×2 65° 15dBi 2°~12° Integrated and replaceable RCU (Remote Control Unit) Antenna

| Electrical Specifications | | | | |
|---|-----------------|-----------|-----------|-----------|
| Frequency range (MHz) | Y1/Y2-1710~2690 | | | |
| | 1710~1990 | 1920~2200 | 2200~2490 | 2490~2690 |
| Polarization | ±45° | | | |
| Gain at mid tilt (dBi) | 14.1 | 14.3 | 14.5 | 14.7 |
| Gain over all tilts (dBi) | 13.9±0.5 | 14.1±0.5 | 14.3±0.5 | 14.5±0.5 |
| Horizontal 3dB beamwidth (°) | 68±6 | 66±5 | 63±4 | 61±4 |
| Vertical 3dB beamwidth (°) | 13.8±1.2 | 12.0±1.1 | 11.2±0.5 | 10.8±0.7 |
| Front to back ratio (dB) Total power, ±30° | >24 | >24 | >25 | >25 |
| Cross polar ratio (dB) (at Boresight) | >15 | >15 | >15 | >15 |
| Electrical downtilt (°) | 2~12 | | | |
| Sidelobe suppression (dB) (First sidelobe above main beam) | >15 | >15 | >15 | >15 |
| VSWR | <1.5 | | | |
| Isolation: intra-system (dB) | >25 | | | |
| Isolation: inter-system (dB) | >25 | | | |
| Intermodulation IM3 (2×43dBm carrier) | ≤-150 dBc | | | |
| Impedance (Ω) | 50 | | | |
| Max. power per input (W) @50°C | 200 | | | |
| Lightning protection | Dc Ground | | | |

| Mechanical Specifications | |
|---|---|
| Connector | 3×4×4.3-10-Female |
| Connector position | Bottom |
| Height × width × depth (mm) | (830+360)×Φ380 |
| Packing size (mm) | 1335×540×520 |
| Antenna weight (kg) | 25 |
| Installation kit weight (kg) | 6.5 |
| Packing weight (kg) | 36 |
| Wind load (N,at 150km/h) Frontal/Lateral/Maximum | 246/246/246 |
| Max. wind velocity (km/h) | 216 |
| Radome material | Fiberglass |
| Radome color | Gray |
| Mechanical tilt (°) | 0 |
| Operating temperature (°C) | -50~65 |
| Mounting hardware (mm) | Φ50~Φ115 |
| Integrated RET Properties | |
| RET model | TRCU-TQ10P2V01 |
| RET type | Integrated (Replaceable) |
| RET protocol | AISG 2.0/3GPP |
| Power supply(V) | 10-30 DC |
| Power consumption(W) | ≤0.6 (Idle, 12V), ≤6 (In motion, 12V) |
| Adjustment time (Full Range) | < 4Mins |
| Adjustment cycles | > 50,000 |
| Temperature range (°C) | -40~65 |
| Lightning protection | 3KA(8/20μs) @ Pin5 & Pin3; 5KA(8/20μs) @ Pin1 / Pin6 & Pin7 |
| Connectors | 2×8 Pin circle connector according to IEC 60130-9 and AISG. Daisy chain in:Male,Daisy chain out:Female Pin1:12V;Pin3:RS485B;Pin5:RS485A;Pin6:10-30V; Pin7:GND;Pin2&Pin4&Pin8:N/C |
| Antenna Pattern Sample For Reference | |



1710~2690 MHz



| Ant Array | RET Unique ID |
|-----------|-----------------|
| AY1 | TY00000.....AY1 |
| AY2 | TY00000.....AY2 |
| BY1 | TY00000.....BY1 |
| BY2 | TY00000.....BY2 |
| CY1 | TY00000.....CY1 |
| CY2 | TY00000.....CY2 |