

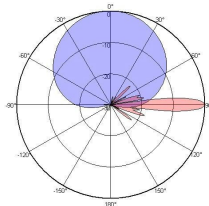
**XXPoI 1710~2690MHz×2 65° 18dBi 2°~12° Integrated and replaceable RCU (Remote Control Unit) Antenna**

<b>Electrical Specifications</b>				
Frequency range (MHz)	Y1/Y2-1710~2690			
	1710~1990	1920~2200	2200~2490	2490~2690
Polarization	±45°			
Gain at mid tilt (dBi)	17.1	17.5	17.8	18
Gain over all tilts (dBi)	16.9±0.5	17.3±0.5	17.6±0.5	17.8±0.5
Horizontal 3dB beamwidth (°)	67±2.4	64±1.5	59±1.4	56±1.4
Vertical 3dB beamwidth (°)	7.2±0.4	6.3±0.2	5.7±0.3	5.2±0.3
Front to back ratio(dB) Total power, 180°	>28	>28	>29	>30
Cross polar ratio (dB) (at Boresight)	>22	>22	>22	>22
Electrical downtilt (°)	2~12			
Sidelobe suppression (dB) (First sidelobe above main beam)	>16	>17	>17	>15
VSWR	<1.5			
Cross Polar Isolation/Intra-Cluster isolation (dB)	≥28			
Inter-band Isolation/Inter-Cluster isolation (dB)	≥30			
Intermodulation IM3 (2×43dBm carrier)	≤-153 dBc			
Impedance (Ω)	50			
Efficiency	≥65%			
Max. power per input (W) @50°C	250			
Lightning protection	Dc Ground			

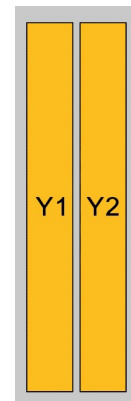
\*Values calculated according to NGMN BASTA v11.1 requirement.

<b>Mechanical Specifications</b>	
Connector	4×4.3-10-Female
Connector position	Bottom
Height × width × depth (mm)	1360×270×140
Packing size (mm)	1640×335×190
Antenna weight (kg)	13.6
Installation kit weight (kg)	5.4
Packing weight (kg)	22.4
Wind load (N,at 150km/h) Frontal/Lateral/Rear	414/147/463
Max. wind velocity (km/h)	216
Radome material	Fiberglass, UV resistant
Radome color	Gray or colored by customized
Mechanical tilt (°)	0~15
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
Daisy chain connection solution	Ready for daisy-chaining/cascade
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



1710~2690 MHz



Ant Array	Conns	RET Unique ID
Y1	2	TY00000.....Y1
Y2	2	TY00000.....Y2

### Compliance

-Certified quality assurance system and environmental management system of company:

EN ISO9001, EN ISO 14001, OHSAS 18001, ETSI EN300019-1-1 Class 1.2

ETSI EN300019-1-2 Class 2.3 ETSI EN300019-1-4 Class 4.1;

-Environmentally regulations: ROHS, REACH;

-Comply with CE certification;