

PIC65DP1818-3338AE-R

Electrical specifications

Frequency (MHz)	3300~3600	3600~3800
Channels	4T4R(2 Column)	
Polarization	±45°	
Gain (dBi)	17	17.3
Electrical Tilt (°)	0~10	
Azimuth Beamwidth (°)	65±6	
Elevation Beamwidth(°)	7	6.5
1st Upper Side Lobe Suppress(dB)	≤-15	
Front To Back Ratio (dB)	≥25	
Cross-Polar Discrimination (dB)	≥15(±60°≥10)	
Isolation(dB)	≥28	
Impedance (Ω)	50	
VSWR	≤1.5	
Maximum Effective Power(W)	150	
Lightning Protecting	DC Grounded	

Mechanical specifications

Connector	4x4.3-10 Female	
Connector Location	Bottom	
Antenna Size(mm)	860×280×85	
Packding Size(mm)	1200×390×180	
Antenna Weight (kg)	5.8	
Radome Material	UPVC	
Radome Color	Gray	
Mechanical Tilt Range (°)	0~15	
Operating Temperature (°C)	-40~60	
Rated Wind Velocity(m/s)	60	
Suitable Pole Diameter (mm)	50~110	
Mounting Kit	JM-1800CZ	
External RET Model	2×KRCU20C	

RET Specifications

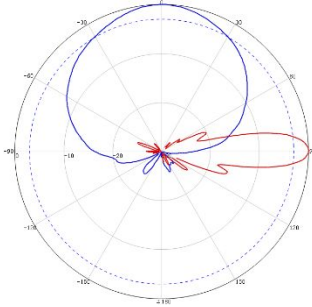
Working voltage	10~36V DC	
Idling power	<1W	
Working power	<10W	
Connectors	2×8 pin connectors according to IEC60130-9, AISG; Daisy chain in: Male; Daisy chain out: Female	
Hardware interface	RS 485A/B (pin 5, pin 3); Power supply (pin 1); DC return (pin 7); Ground (shielding); Conform to AISG2.0	
Software interface	coded commands, based on HDLC protocol, conform to AISG	
Full range adjustment time	<30s	
Working cycles	>50000	

PicoCell XXPo1 3300-3800MHz 65° 17.5dBi 0-10° 4 Ports External RET Antenna

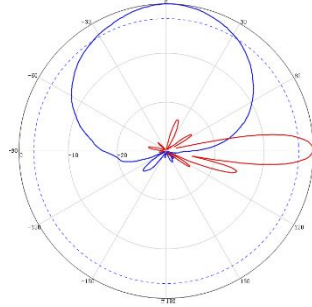
Operating temperature	-40°C ~ +85°C
Housing material	Aluminum Alloy
Protection class	IP65
Weight	0.36kg
Dimensions (L×W×D)	140mm×47mm×32mm

Typical pattern

3300-3600: ±45° PoI.

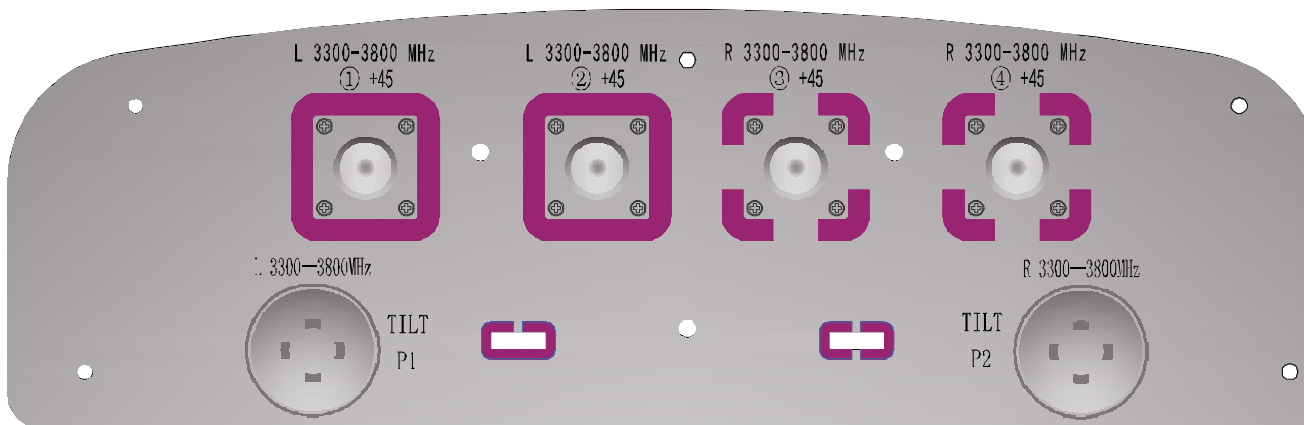


3600-3800: ±45° PoI.

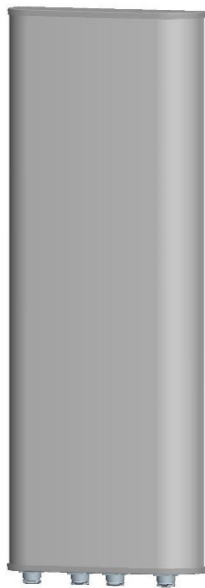


Appearance and dimension

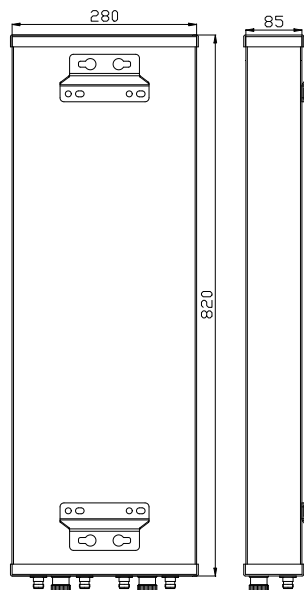
Port Configuration



Antenna Appearance



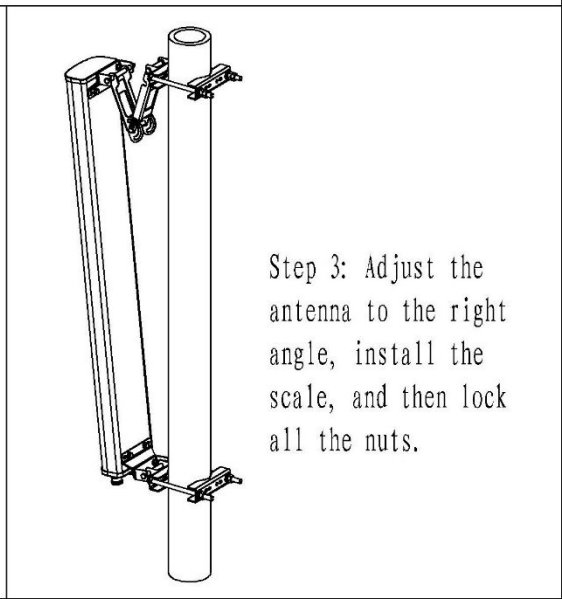
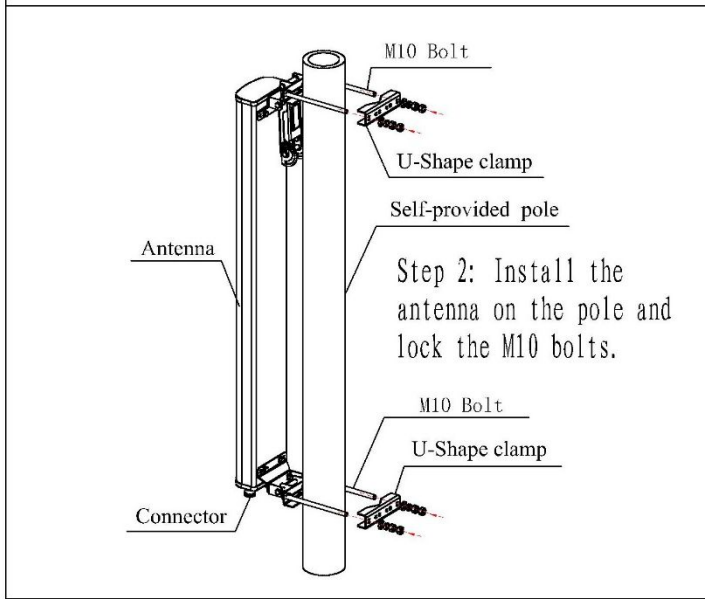
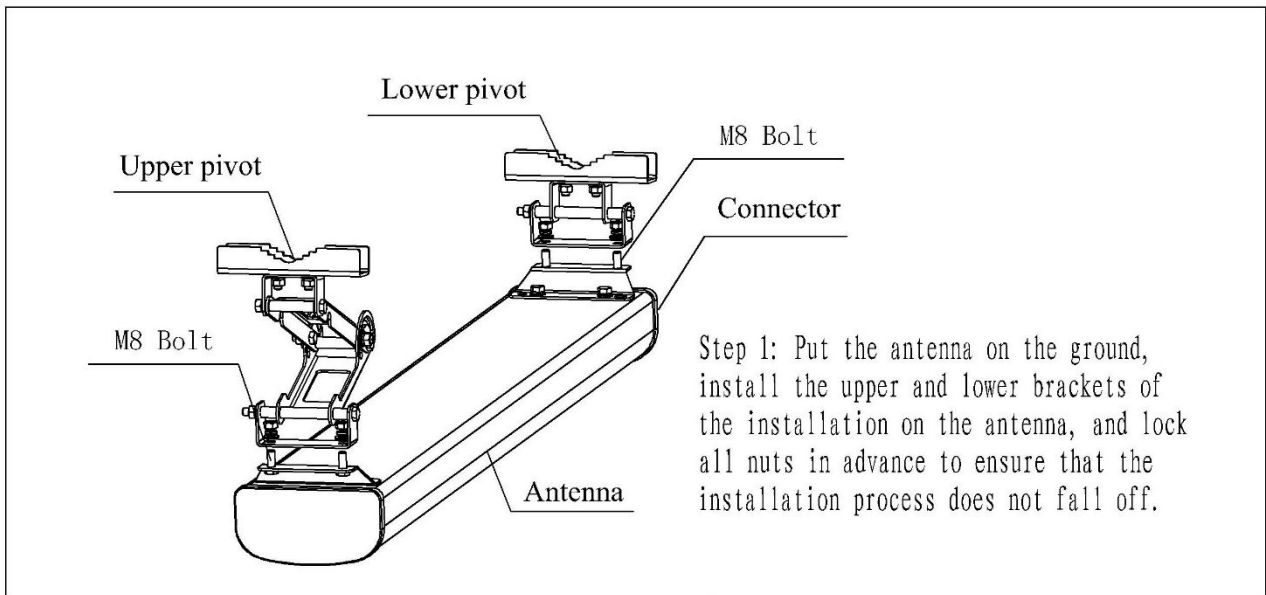
Installation diagram



RET Appearance



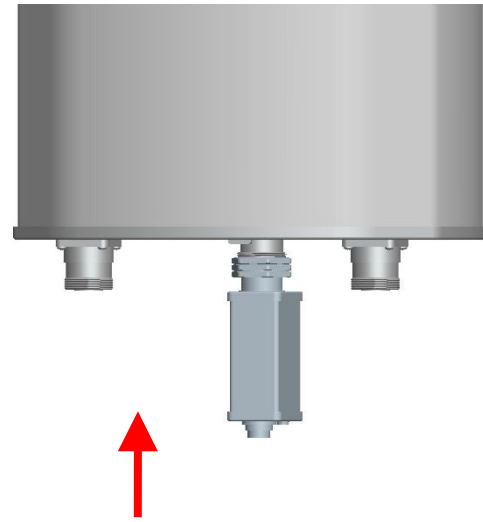
Antenna Installation Sketch



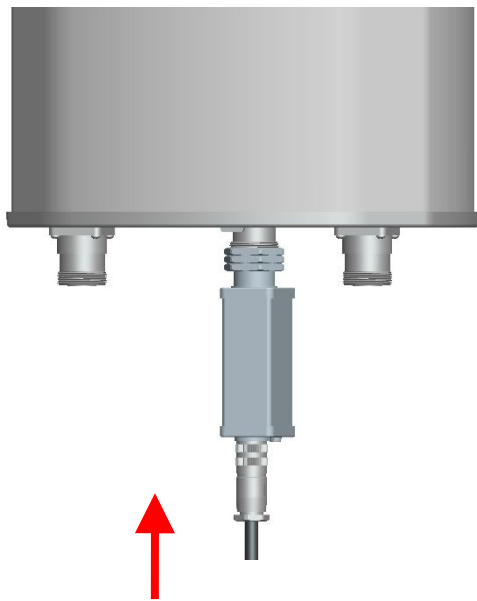
RET Installation Sketch



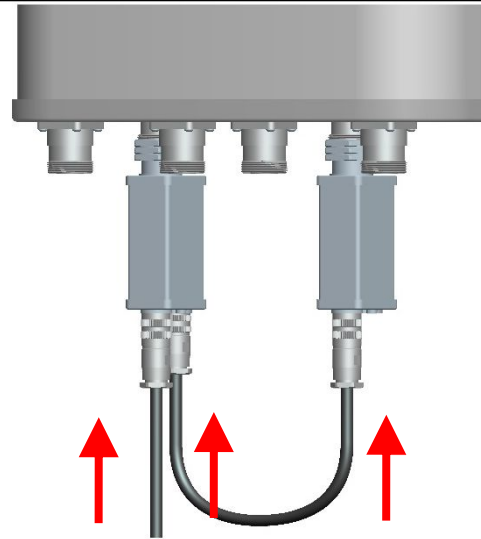
1. Remove the protective cover



2. Connect the RCU port with the corresponding port, then screw the nut by 32mm wrench, wrapped the juncture around with waterproof tape.



3. Connect the RCU with the handheld controller or backstage equipment by AISG



4. In the daisy chain scenario or non-daisy chain scenario, the corresponding relationship between each RCU and the BTS should be recorded for easy adjustment.