



8-Port Antenna	Y1	Y2	Y3	Y4
Frequency Range	1710-2690	1710-2690	1710-2690	1710-2690
HBPW	35	35	35	35
Gain	19	19	19	19
Tilt	2-12	2-12	2-12	2-12

Model Number		CP8-4M-35-19RT-1A			
		Y1, Y2, Y3, Y4			
Frequency Range(MHz)		1710-2690			
		1710-1990	1920-2200	2200-2490	2490-2690
Gain(dBi)	at mid Tilt	17.6	18.3	18.9	19.0
	over all Tilts	17.5±0.6	18.2±0.6	18.8±0.6	18.9±0.6
<b>Horizontal Pattern:</b>					
Azimuth Beam width (°)		39±3	35±3	31±3	28±3
Azimuth Beam centers (°)		±30	±30	±30	±30
Front to back Ratio Co-pol, ±30° (dB)		>26	>26	>27	>27
Cross Polar Discrimination at Boresight (dB)		>15	>15	>15	>15
<b>Vertical Pattern:</b>					
Vertical-3dB Beam width (°)		9.8±0.8	8.8±0.7	7.5±0.7	6.8±0.7
Electrical Down-tilt (°)		2-12, continuously adjustable			
First Upper Side Lobe Suppression (dB)		>15	>15	>15	>15
Cross-Polar Isolation (dB)		Same beam: > 25			
Beam to beam Isolation (dB)		>25			
Inter band Isolation (dB)		>25			
Max. Average Input Power per Port (W)		200(at 50°C ambient temperature)			

Electrical specifications, all systems:	
Polarization	+45° /-45°
Impedance (Ω)	50
VSWR	<1.5
Return Loss (dB)	>14
PIM3 (2x43 dBm carrier) (dBc)	<-150
Lightning Protection	DC Ground

Preliminary values based on NGMN-P-BASTA V12.0

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+1 905 727 0165 ext. 232	Canada: 1 905 726 7676 International: +1 905 726 7676	+1 905 727 0165 ext. 287
E-mail	salesusa@sinctech.com	salesemea@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com
Product Specification Sheet		CP8-4M-35-19RT-1A	Issue 1.5	Dated: 2-26-2024

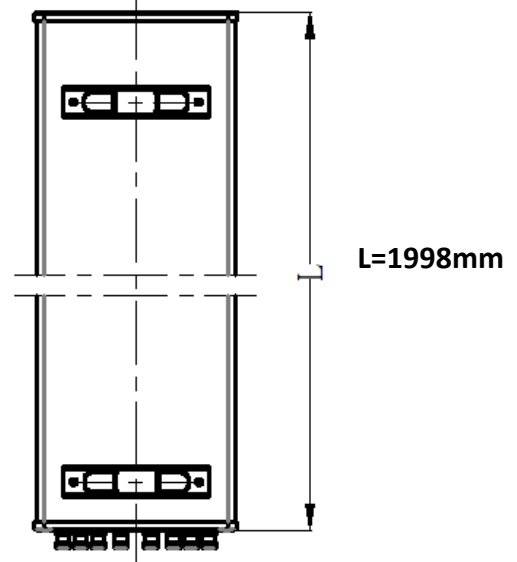
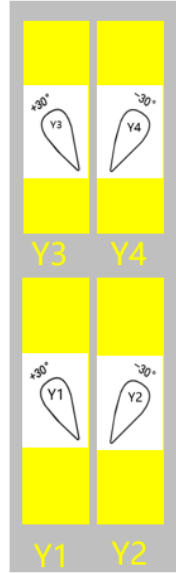
Model Number	CP8-4M-35-19RT-1A
<b>Mechanical Specifications</b>	
Connector Type	4.3/10(F) x8
Connector position	Bottom
Electrical Tilt Control	Integrated RET, Each Band Individually
Mechanical Tilt Range	0-12
Radome Material	Fiberglass
Antenna Weight(kg)	21.5/25.5 (clamps incl.)
Bracket Diameter(mm)	50-125
Maximum Wind Speed(km/h)	200
Wind Load frontal [N] at 150 Km/h	735
Wind Load rear side [N] at 150 Km/h	825
Wind Load lateral [N] at 150 Km/h	455
Operating Temperature (°C)	-40 ~+60
Antenna Dimensions (H x W x D) (mm)	1998x398x198
Packing Size (H x W x D) (mm)	2218x473x273

<b>Integrated RET Specifications</b>	
Protocols	Compliant With AISGV2.0 And 3GPP
Supply Voltage, VDC	10–30DC
Power Consumption	<2W (standby); < 10W (motor activated)
Safety Standard	Compliant to EN 60950/UL 60950/ RoHs (Restriction of Hazardous Substances), CE
Lightning Protection Rating	IEC 61000-4-5 Current Pulse Profile, Line to Ground 8/20 us @ 6kA ≥±5 Repetitions Line to line , 8/20 us @ 3kA ≥±5 Repetitions
Connectors	2 x 8 Pins Connector According To IEC60130-9 AND AISG 1 x Daisy Chain In : Male 1 x Daisy Chain Out : Female Pin3:RS485B; Pin5:RS485A; Pin6:10~30V; Pin7: DC return Female connector: 4 PINs ,Male connector: 4 PINs

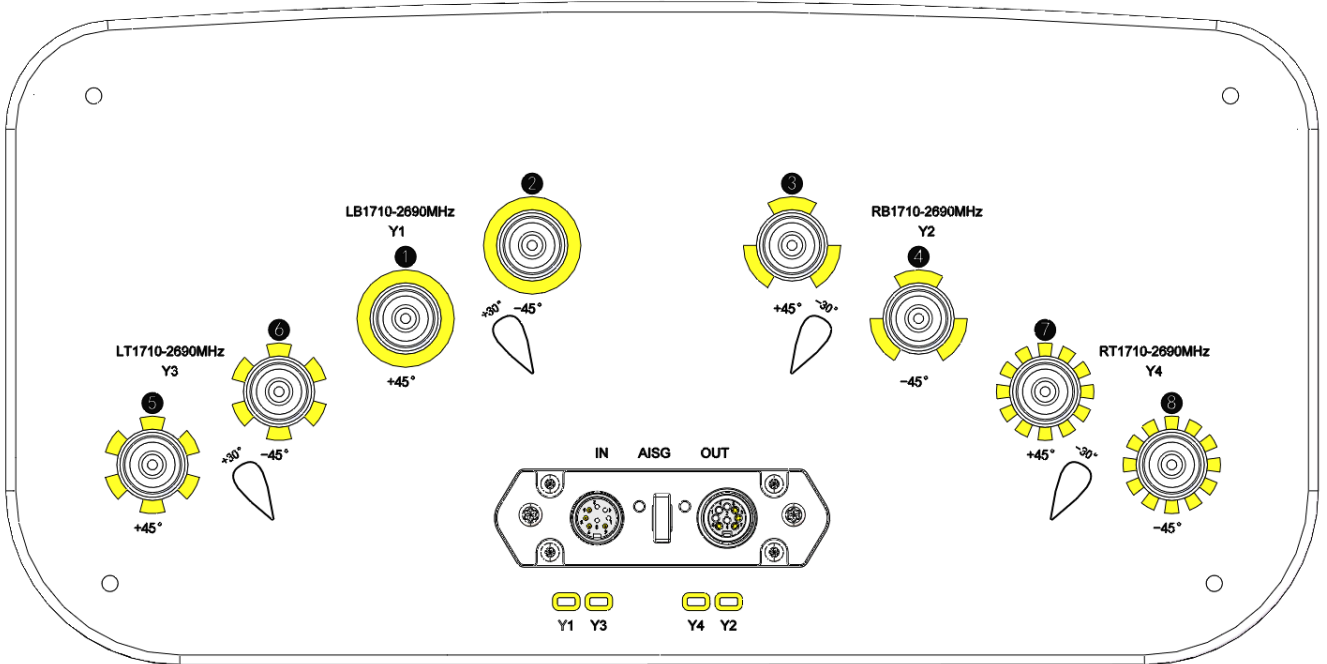
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**Arrays of the antenna**



**Ports of the antenna**



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