

Band	1710-2690 x4
Polarization	XXXX
Half-power Beam Width	65°



Model: 4X65VS-1727RTDW

Electrical Specifications

Operating Frequency Band ,[MHz]	1710-2690 x4		
Frequency Range ,[MHz]	1710-1920	1920-2170	2500-2690
Polarization , [degrees]	±45, ±45, ±45, ±45		
Gain [dBi]	16.5 ±0.5	17.0 ±0.5	17.5 ±0.5
Horizontal Beam Width ,[degrees]	65.0 ±5.0	65.0 ±5.0	60.0 ±5.0
Front-to-Back Ratio (180°±30°) , [dB]	≥25	≥25	≥25
Cross Polar Discrimination	Boresight ,[dB]	≥17	≥17
	Sector ,[dB]	≥8	≥8
Vertical Beam Width ,[degrees]	8.5 ±0.5	7.6 ±0.5	6.0 ±0.4
Adjustable Electrical Downtilt	0-10		
Sidelobe suppression for first sidelobe above main beam ,[dB]	≥18	≥17	≥17
VSWR	≤1.5		
Isolation	Cross Polar, [dB]	≥28	
	Port to Port, [dB]	≥28	
3rd Order PIM@2x43dBm ,[dBc]	≤ -150		
Maximum Input Power	250W		
Impedance	50Ω		
Lightning Protection	DC Ground		

Values based on NGMN-P-BASTA (Version 9.6) requirements

Mechanical Specifications

Radome Material	ASA
Connector Type	4.3-10 DIN Female x 8
Mounting Hardware	
Mast Diameter Adjustable	φ 50mm - φ 115mm
Mechanical Downtilt Angle	0° - 15°
Operating Temperature Range	-40°C~+65°C
Operating Humidity	0 - 95%RH @+30°C
Enclosure Protection	IP55
RF Connector Protection	IP67
Wind Load (Front / Lateral / Rear)	1260N / 501N / 1260N , at 150km/h
Wind Velocity	200 km/h
Weight	≤26kg
Dimension (Length x width x depth)	2550mm x 319mm x 127mm

Packed Dimensions

Weight	≤32kg (Included mounting bracket)
Dimension (Length x width x depth)	2820mm x 410mm x 185mm

Included RET Informations

Condition	Internal
Protocol	3GPP / AISG 1.1 / AISG 2.0 (Multi RET)
Input Voltage	10 - 30 V
Power Consumption	< 1W (Idle state) < 8.5 W (Motor activated)
Number of Interface	Male: 1 , Female: 1

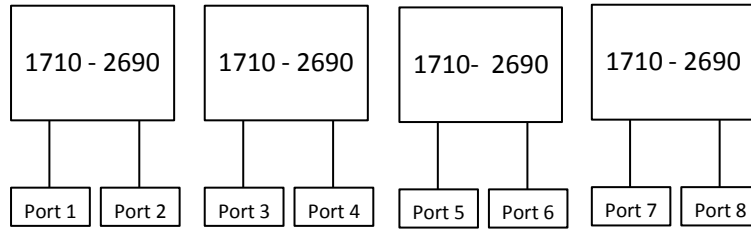


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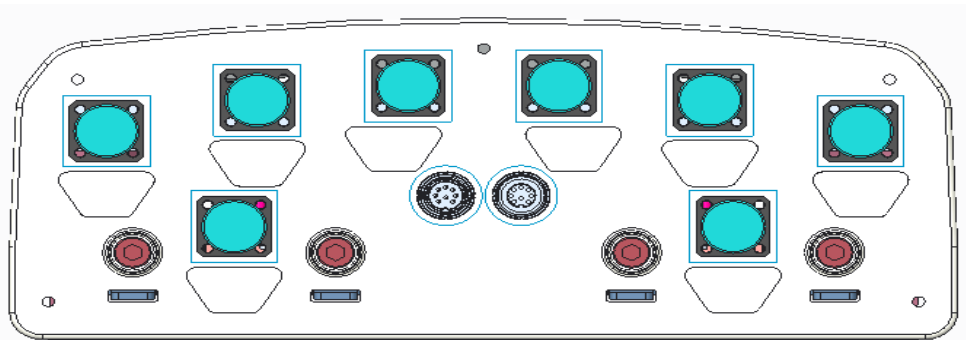


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RF Port Diagram



Layout of Interface (Antenna bottom view)



Horizontal Plane Radiation Pattern



Vertical Plane Radiation Pattern

