

# CX063X25x00

## X-Pol | Single Band VET Panel | 65° | 16.8 dBi

of each band (no need of daisy chain cables between the bands). This module does not add any additional length at the bottom of the antenna. For RET control, the transparent cap must be in place and locked. The tilt angle indicator always remains visible and the antenna still has manual tilt control (manual override).  RET Module Part Number (one per antenna)  MDCU-A0000 for AISG v1.1 protocol (one unit included in CX063X25R00)  MDCU-G0000 for 3GPPP/AISG v2.0 protocol (one unit included in CX063X25G00)  In order to operate RET control, the transparent cap covering the tilt adjustment indicator must be engaged and locked. Do not cut the cap from the antenna.  Mounting Options  Part Number Fits Pipe Diameter Weight  3-Point Mounting Bracket Kit MKS09P02 50-115 mm 2.0-4.5 in 4.1 kg 9 lbs  3-Point Mounting & Downtilt Bracket Kit MKS09T02 50-115 mm 2.0-4.5 in 6.4 kg 14 lbs  Tri-Sector UNICELL Options	Ordering Options	Model Number				
Remote Electrical Tilt AISG v2.0 / 3GPP	Manual Electrical Tilt	CX063X25M00				
Frequency bands (MHz)	Remote Electrical Tilt AISG v1.1	CX063X25R00				
Frequency bands (MHz)	Remote Electrical Tilt AISG v2.0 / 3GPP	CX063X25G00				
Polarization ±45°  Horizontal beamwidth 70° 65°  Gain 16.3 dBi 16.8 dBi  Electrical downtilt 0.10°  Impedance 50Ω  VSWR < 1.5:1  Upper sidelobe suppression 50Ω  VSWR < 1.5:1  Upper sidelobe suppression 2.25 dB  In-band isolation 2.25 dB  Input power 2.500 W  IM3 (2x20W carriers) 50Ω  Ughry in the changing temperature 7.40° to +60° C (.40° to +140° F)  Connector(s) 2.2 ports / 7/16 DIN / Female / Bottom  Mechanical Characteristics  Dimensions Length x Width x Depth 2508 x 305 x 180 mm 98.7 x 12.0 x 7.1 in Weight without mounting brackets: RET 15.2 kg 35.7 ibs  Survival wind speed 241 km/hr 150 mph  Wind loads (160 km/hr or 100 mph) Front: 930 N; Side: 550 N Front: 209; Side: 124 lbf  Remote Electrical Downtilt Control  Remote Electrical Downtilt Control  Remote Part Number (one per antenna)  MDCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  Important Installation Instructions  MOCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  MDCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  Important Installation Instructions  MOUU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  MDCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  MDCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  Important Installation Instructions  MOUU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  MDCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  MDCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  MDCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  MDCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  MDCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  MDCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  MDCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  MDCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)  MDCU-A0000 for AISG v1.1 protocol (cen unit included in CX063X25R00)	Electrical Characteristics	696-960 MHz				
Horizontal beamwidth	Frequency bands (MHz)	696-806 806-960				
Vertical bearwidth	Polarization	±45°				
Sain   16.3 dBi	Horizontal beamwidth	70° 65°		5°		
Electrical downtilit	Vertical beamwidth	7.	7.4°		6.9°	
Impedance   S0Ω	Gain	16.3 dBi 16.8 dBi		dBi		
VSWR  C1,5:1 Upper sidelobe suppression  Front-to-back ratio > 25 dB In-band isolation  > 25 dB Input power  2 x 500 W  IM3 (2x20W carriers)  Lightning protection  Operating temperature  -40° to +60° C (-40° to +140° F)  Connector(s)  Direct Ground  Operating temperature  -40° to +60° C (-40° to +140° F)  Connector(s)  Dimensions Length x Width x Depth  Weight without mounting brackets: MET  Meight without mounting brackets: MET  15.9 kg  35.0 lbs  Wind loads (160 km/hr or 100 mph)  Front: 930 N; Side: 550 N  Front: 209; Side: 124 lbf  Remote Electrical Tilt (RET) Control  The remote control of the electrical tilt is managed by a module (MDCU) totally inserted at the bottom of the antenna. One single module controls individually the tilt of each band (no need of daisy chain cables between the bands). This module does not add any additional length at the bottom of the antenna. For RET control, the transparent cap must be in place and locked. The tilt angle indicator always remains visible and the antennas till has manual tilt control (manual override).  RET Module Part Number (one per antenna)  MDCU-A0000 for 3GPPP/AISG v.2.0 protocol (one unit included in CX063X255:00)  Important Installation Instructions  In order to operate RET control, the transparent cap covering the tilt adjustment indicator must be engaged and locked. Do not cut the cap from the antennas.  Mounting Options  Part Number  Fits Pipe Diameter  Weight  Tri-Sector UNICELL Options  Value  A 14 lbg 9 lbs  3-Point Mounting Bracket Kit  MKS09702  Solution  A 14 lbg 9 lbs  3-Point Mounting & Downtill Bracket Kit  MKS09702  Solution  A 15 dB  A 15 dB  A 15 dB  A 15 dB  A 16 db  A 1	Electrical downtilt	0-10°				
Upper sidelobe suppression	Impedance	50Ω				
Front-to-back ratio	VSWR	< 1.5:1				
In-band isolation	Upper sidelobe suppression	< -18 dB typical				
Input power  IM3 (2x20W carriers)  Lightning protection  Operating temperature  -40° to +60° C (-40° to +140° F)  Connector(s)  Direct Ground  -40° to +60° C (-40° to +140° F)  Connector(s)  Dimensions Length x Width x Depth  Weight without mounting brackets: MET  Survival wind speed  Wind loads (160 km/hr or 100 mph)  Remote Electrical Tilt (RET) Control  Remote Electrical Tilt (RET) Control  The remote control of the electrical tilt is managed by a module (MDCU) totally inserted at the bottom of the antenna. For RET control wis long and additional length at the bottom of the antenna. For RET control (one per antenna)  RET Module Part Number (one per antenna)  In order to operate RET control, the transparent cap covering the tilt adjustment indicator must be engaged and locked. Do not cut the cap from the antenna.  Mounting Options  Part Number  MKS09P02  50-115 mm  2.0-4.5 in  4.1 kg 9 lbs  3-Point Mounting & Downtilt Bracket Kit  MKS09T02  To the formund  MKS09T02  To the of the of the or the Antenna  Direct Ground  98.7 x 12.0 x 7.1 in  98.7 x 12.0 x 7.1 in	Front-to-back ratio	> 25 dB				
Lightning protection  Operating temperature  -40° to +60° C (-40° to +140° F)  Connector(s)  2 Ports / 7/16 DIN / Female / Bottom  Mechanical Characteristics  Dimensions Length x Width x Depth  2508 x 305 x 180 mm  98.7 x 12.0 x 7.1 in  Weight without mounting brackets: MET  15.9 kg  35.0 lbs  Weight without mounting brackets: RET  16.2 kg  35.7 lbs  Survival wind speed  241 km/hr  150 mph  Wind loads (160 km/hr or 100 mph)  Front: 930 N; Side: 550 N  Front: 209; Side: 124 lbf  Remote Electrical Tilt (RET) Control  The remote control of the electrical tilt is managed by a module (MDCU) totally inserted at the bottom of the antenna. One single module controls individually the tilt of each band (no need of daisy chain cables between the bands). This module does not add any additional length at the bottom of the antenna. For RET control, the transparent cap must be in place and locked. The tilt angle indicator always remains visible and the antenna still has manual tilt control (manual override).  RET Module Part Number (one per antenna)  MDCU-A0000 for AISG v1.1 protocol (one unit included in CX063X25600)  MDCU-G0000 for 3GPPP/AISG v2.0 protocol (one unit included in CX063X25600)  Important Installation Instructions  In order to operate RET control, the transparent cap covering the tilt adjustment indicator must be engaged and locked. Do not cut the cap from the antenna.  Mounting Options  Part Number Fits Pipe Diameter Weight  3-Point Mounting Bracket Kit MKS09P02 50-115 mm 2.0-4.5 in 4.1 kg 9 lbs  3-Point Mounting & Downtilt Bracket Kit MKS09T02 50-115 mm 2.0-4.5 in 6.4 kg 14 lbs  Tri-Sector UNICELL Options	In-band isolation	> 25 dB				
Lightning protection  Operating temperature  -40° to +60° C (-40° to +140° F)  Connector(s)  2 Ports / 7/16 DIN / Female / Bottom  Mechanical Characteristics  Dimensions Length x Width x Depth  2508 x 305 x 180 mm  98.7 x 12.0 x 7.1 in  Weight without mounting brackets: MET  Weight without mounting brackets: RET  16.2 kg  35.7 lbs  Survival wind speed  241 km/hr  150 mph  Wind loads (160 km/hr or 100 mph)  Front: 930 N; Side: 550 N  Front: 209; Side: 124 lbf  Remote Electrical Downtilt Control  Remote Electrical Tilt (RET) Control  The remote control of the electrical tilt is managed by a module (MDCU) totally inserted at the bottom of the antenna. One single module controls individually the little of each band (no need of daisy chain cables between the bands). This module does not add any additional length at the bottom of the antenna. For RET control, the transparent cap must be in place and locked. The litt angle indicator always remains visible and the antenna still has manual tilt control (manual override).  RET Module Part Number  (one per antenna)  MDCU-A0000 for AISG v1.1 protocol  (one unit included in CX063X25R00)  MDCU-G0000 for 3GPPP/AISG v2.0 protocol  (one unit included in CX063X25R00)  MDCU-G0000 for 3GPPP/AISG v2.0 protocol  (one unit included in CX063X25G00)  In order to operate RET control, the transparent cap covering the tilt adjustment indicator must be engaged and locked. Do not cut the cap from the antenna.  Mounting Options  Part Number  Fits Pipe Diameter  Weight  Tri-Sector UNICELL Options	Input power	2 x 500 W				
Operating temperature  -40° to +60° C (-40° to +140° F)  Connector(s)  2 Ports / 7/16 DIN / Female / Bottom  Mechanical Characteristics  Dimensions Length x Width x Depth  2508 x 305 x 180 mm  98.7 x 12.0 x 7.1 in  Weight without mounting brackets: MET  15.9 kg  35.0 lbs  Weight without mounting brackets: RET  16.2 kg  35.7 lbs  Survival wind speed  241 km/hr  150 mph  Wind loads (160 km/hr or 100 mph)  Front: 930 N; Side: 550 N  Front: 209; Side: 124 lbf  Remote Electrical Downtilt Control  The remote control of the electrical tilt is managed by a module (MDCU) totally inserted at the bottom of the antenna. One single module controls individually the tilt of each band (no need of daisy chain cables between the bands). This module does not add any additional length at the bottom of the antenna. For RET control, the transparent cap must be in place and locked. The tilt angle indicator always remains visible and the antenna still has manual tilt control (manual override).  RET Module Part Number (one per antenna)  MDCU-A0000 for AISG v1.1 protocol (one unit included in CX063X25R00)  MDCU-G0000 for AISG v1.1 protocol (one unit included in CX063X25R00)  Important Installation Instructions  In order to operate RET control, the transparent cap covering the tilt adjustment indicator must be engaged and locked. Do not cut the cap from the antenna.  Mounting Options  Part Number  Fits Pipe Diameter  Weight  3-Point Mounting & Downtilt Bracket Kit  MKS09P02  50-115 mm 2.0-4.5 in 4.1 kg 9 lbs  Tri-Sector UNICELL Options	IM3 (2x20W carriers)	<-153 dBc				
Connector(s)   2 Ports / 7/16 DIN / Female / Bottom	Lightning protection	Direct Ground				
Dimensions Length x Width x Depth   2508 x 305 x 180 mm   98.7 x 12.0 x 7.1 in	Operating temperature	-40° to +60° C (-40° to +140° F)				
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Weight without mounting brackets: MET  Weight without mounting brackets: RET  16.2 kg  35.7 lbs  Survival wind speed  241 km/hr  150 mph  Wind loads (160 km/hr or 100 mph)  Remote Electrical Downtilt Control  Remote Electrical Tilt (RET) Control  The remote control of the electrical tilt is managed by a module (MDCU) totally inserted at the bottom of the antenna. One single module controls individually the tilt of each band (no need of daisy chain cables between the bands). This module does not add any additional length at the bottom of the antenna. For RET control, the transparent cap must be in place and locked. The tilt angle indicator always remains visible and the antenna still has manual tilt control (manual override).  RET Module Part Number (one per antenna)  MDCU-A0000 for AISG v1.1 protocol (one unit included in CX063X25R00)  MDCU-G0000 for 3GPPP/AISG v2.0 protocol (one unit included in CX063X25G00)  Important Installation Instructions  In order to operate RET control, the transparent cap covering the tilt adjustment indicator must be engaged and locked. Do not cut the cap from the antenna.  Mounting Options  Part Number Fits Pipe Diameter Weight  3-Point Mounting & Downtilt Bracket Kit MKS09P02 50-115 mm 2.0-4.5 in 4.1 kg 9 lbs  3-Point Mounting & Downtilt Bracket Kit MKS09T02 50-115 mm 2.0-4.5 in 6.4 kg 14 lbs  Tri-Sector UNICELL Options	Mechanical Characteristics					
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Wind loads (160 km/hr or 100 mph)  Remote Electrical Downtilt Control  Remote Electrical Tilt (RET) Control  The remote control of the electrical tilt is managed by a module (MDCU) totally inserted at the bottom of the antenna. One single module controls individually the tilt of each band (no need of daisy chain cables between the bands). This module does not add any additional length at the bottom of the antenna. For RET control, the transparent cap must be in place and locked. The tilt angle indicator always remains visible and the antenna still has manual tilt control (manual override).  RET Module Part Number (one per antenna)  MDCU-A0000 for AISG v1.1 protocol (one unit included in CX063X25R00)  MDCU-G0000 for 3GPPP/AISG v2.0 protocol (one unit included in CX063X25G00)  Important Installation Instructions  In order to operate RET control, the transparent cap covering the tilt adjustment indicator must be engaged and locked. Do not cut the cap from the antenna.  Mounting Options  Part Number Fits Pipe Diameter Weight  3-Point Mounting Bracket Kit MKS09P02 50-115 mm 2.0-4.5 in 4.1 kg 9 lbs  3-Point Mounting & Downtilt Bracket Kit MKS09T02 50-115 mm 2.0-4.5 in 6.4 kg 14 lbs  Tri-Sector UNICELL Options	Weight without mounting brackets: RET		16.2 kg 35.7 lbs			
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inserted at the bottom of the antenna. One single module controls individually the tilt of each band (no need of daisy chain cables between the bands). This module does not add any additional length at the bottom of the antenna. For RET control, the transparent cap must be in place and locked. The tilt angle indicator always remains visible and the antenna still has manual tilt control (manual override).  RET Module Part Number (one per antenna)  MDCU-A0000 for AISG v1.1 protocol (one unit included in CX063X25R00)  MDCU-G0000 for 3GPPP/AISG v2.0 protocol (one unit included in CX063X25G00)  In order to operate RET control, the transparent cap covering the tilt adjustment indicator must be engaged and locked. Do not cut the cap from the antenna.  Mounting Options  Part Number Fits Pipe Diameter Weight  3-Point Mounting Bracket Kit MKS09P02 50-115 mm 2.0-4.5 in 4.1 kg 9 lbs  3-Point Mounting & Downtilt Bracket Kit MKS09T02 50-115 mm 2.0-4.5 in 6.4 kg 14 lbs  Tri-Sector UNICELL Options	Remote Electrical Downtilt Control					
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	3-Point Mounting & Downtilt Bracket Kit	MKS09T02	50-115 mm	2.0-4.5 in	6.4 kg 14 lbs	
	Tri-Sector UNICELL Options					
For use inside UNICELL modules UNX-20-xx	For use inside UNICELL modules	UNX-20-xx				

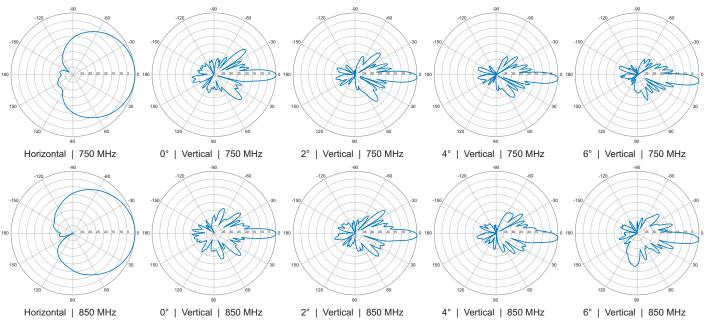
Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.



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# **Bottom View** Dimensions 0 1050.0 mm [41.3 in] 696-960 MHz (0) 2508 mm [98.7 in] 950.0 mm [37.4 in] Location of the MDCU for RET Control Tilt indicator covered by transparent cap. Manual adjustment is accessed by removing the cap. Knob color is the same as the connectors. In order to operate RET control, the transparent cap covering the 76.5 mm [3.0 in] tilt adjustment indicator must be engaged and locked. Do not cut the cap from the antenna. **→**305 mm [12.0 in]

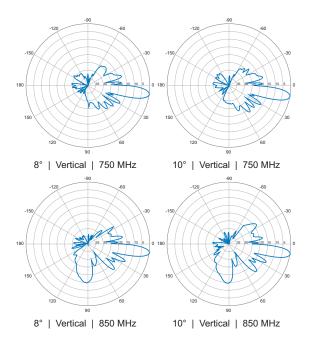


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