



China Starwin Science & Technology Co., Ltd

Floor 3th, Building B, No. 2 Keyuannan 2nd Road, High-tech Zone, Chengdu, China



Declaration letter

For our business issue and marketing requirement, we would like to list different model numbers as following:

Model No.: HSA-MAC, HT-ESA ,ESA-MAC, HSA-PAC, HSA-FAC, ESA-IOT-Ka

Model Difference:





HSA-MAC, HT-ESA ,ESA-MAC, HSA-PAC, HSA-FAC, ESA-IOT-Ka are the same except for the difference in adjustment mechanism.

Model	Align Satellite Method	Installation	Mobility	Appearance
HSA-MAC	The HSA-MAC terminal is a two-dimensional Ka band hybrid steering phased array terminal, with a fully dimension, compensate mechanical adjustment with mature and advanced motorized turntable; The two-dimensional hybrid steering (electric steering + mechanic steering) method can ensure that the phased array panel is always aligned with the satellite roughly in the normal direction.	Base support	Yes	
HT-ESA	HT-ESA and HSA-MAC actually refer to the same product. The HT-ESA terminal is a two-dimensional Ka band hybrid steering phased array terminal, with a fully dimension, compensate mechanical adjustment with mature and advanced motorized turntable; The two-dimensional hybrid steering (electric steering + mechanic steering) method can ensure that the phased array panel is always aligned with the satellite roughly in the normal direction.	Base support	Yes	



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HSA-PAC	The HSA-PAC terminal is a two-dimensional Ka band hybrid steering phased array terminal, with a fully dimension, compensate mechanical adjustment with mature and advanced motorized turntable; The two-dimensional hybrid steering (electric steering + mechanic steering) method can ensure that the phased array panel is always aligned with the satellite roughly in the normal direction.	Base support	No	
HSA-FAC	The HSA-FAC terminal is a two-dimensional Ka band hybrid steering phased array terminal, with a fully dimension, compensate mechanical adjustment with mature and advanced motorized turntable; The two-dimensional hybrid steering (electric steering + mechanic steering) method can ensure that the phased array panel is always aligned with the satellite roughly in the normal direction.	bracket Installation	No	
ESA-IOT-Ka	ESA-IOT-Ka and HSA-FAC actually refer to the same product. The ESA-IOT-Ka terminal is a two-dimensional Ka band hybrid steering phased array terminal, with a fully dimension, compensate mechanical adjustment with mature and advanced motorized turntable; The two-dimensional hybrid steering (electric steering + mechanic steering) method can ensure that the phased array panel is always aligned with the satellite roughly in the normal direction.	bracket Installation	No	
ESA-MAC	The scanning method of the ESA-MAC terminal is a Full Dimensional Electronic Steering. ESA-MAC products are the same as HSA-MAC, HT-ESA ,ESA-MAC, HSA-PAC products except that there is no	No Base	Yes	



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	adjustment mechanism.			
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A handwritten signature in black ink, appearing to be "L. P." with a stylized flourish.

Name: James Li

Title: Board Chairman

Date: 2024-02-24