



OTM Phased Array Antenna

Mini ESA

Ku Band Antenna

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integration/ I & C, Service
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Main Features



Anywhere

Mini ESA ensures secure communication services without space and time constraints.
Mini ESA satisfies the frequency bands available for GEO/MEO/LEO.



High Reliability

ESA beam tracking technology provides OTM capabilities to maintain connection while moving.
GK ESA antennas provide fast beam switching and satellite to satellite switching services.



Light Weight

It weight only 11kg and can be carried in a bag pack or hard case.
Can be installed on vehicles or ships.



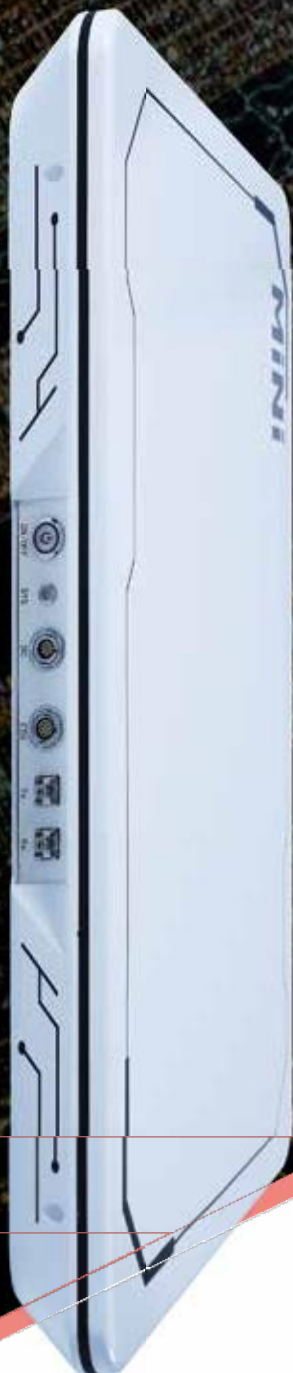
No mechanical break down

Alpha ESA is light and easy to install, so convenient to control.
No mechanical break down because Alpha ESA does not use motor and BUC,
and ACU board is built in.

Mini ESA

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Mini ESA

Full-Duplex Electronic active beam Steering Antenna

Ku Band OTM User Terminal

Model Name	Konet MiNi (GU320)
Operrating Frequency Range	TX: 13.7 - 14.5Ghz / RX: 10.7 - 12.75Ghz
Beam Scanning Range	Azimuth: 0° ~ 360° Elevation: 30° ~ 90°
EIRP (typical)	Linear Pol: ≥44.2dBm@0°@14.1Ghz Clrcular Pol: ≥42dBW@0°10@14.1Ghz
G/T(typical)	≥10.1dB/K@0°@11.7Ghz@80K
Modem	In-built Option
Polarization	Llinear H/V and Circular LHCP/RHCP Support
Cross Polarization	≥30dB
Boot Pointing Time	≤3 min
Vehicle/ Marine	OPEN AMIP Support
Pol Switching Time	<0.5ms
Beam Switching Time	≤0.3mS

Interface Features

Interface ports	Tx SMA port, Rx SMA port, DC port, Lan Port
Communication Interface	Ethernet, Wifi(option)

Physical Dimensions

Size (W x D x H)	613 x 500 x 77mm(24.14 x 19.69 x 3.03inch)
Weight	≤11kg(24.25lbs)

Power Supply Requirement

Rated Voltage	24V(19V~31V)
Power Consumption	≤ 300W(Max)

Environment Parameters

Operating Enironment Temp	-40°C ~ +55°C
Storage Temp	-55°C ~ +70°C
Water-proof	IP66
Military Standard	MIL-STD-810 (option)

Frequency Converter Parameters

Freq Local Oscillato	Rx : 9.75Ghz, 10.6Ghz, 11.3Ghz Tx : 12.8Ghz, 13.03Ghz
10Mhz Reference	Tx port required
Manufacturer	GLOBAL KONET Co., Ltd.

