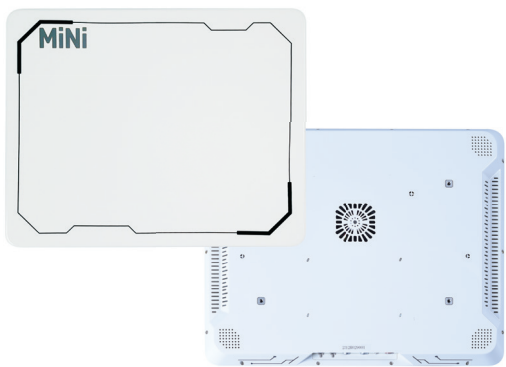


OTM Phased Array Antenna

Mini ESA

Ku Band Antenna



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

OTM Phased Array Antenna

Ku Band 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: 20° ~ 90°
EIRP (typical)	Linear Pol: ≥44dBW@0°@14.1GHz Circular Pol: ≥43dBW@0°@14.1GHz
G/T(typical)	≥ 10 dB/K@0°@11.7GHz@80K
Modem	Tx : 5.0°@90° / RX : 5.0°@90°
Polarization	In-built Option
Cross Polarization	≤30dB
Vehicle	OPEN AMIP Support
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
Contol interface	Ethernet, WiFi

Power Supply Requirement

Rated Voltage	28V(24V~31V)
Power Consumption	≤300W(Peak)

Physical Dimensions

Size (W x D x H)	613mm x 500mm x 60mm
Weight	≤11kg

Environment Parameters

Operating Environment Temp	-40°C ~ +60°C
Storage Temp	-55°C ~ +70°C
Water-proof	IP66

Frequency Converter Parameters

Freq Local Oscillator	Receive : L-Band 10.7Ghz ~11.7Ghz(9.75Ghz) H-Band 11.7Ghz~12.75Ghz(10.6Ghz) Transmit : 13.7Ghz ~ 14.5Ghz(12.8Ghz)
Manufacturer	GLOBAL KONET Co., Ltd.

