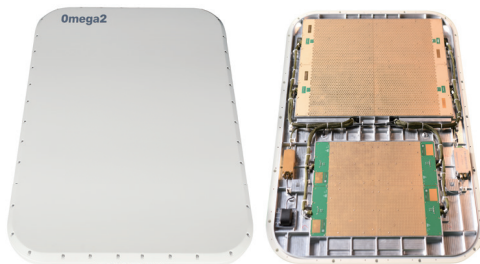


OTM Phased Array Antenna

Omega2 ESA

Ka Band Antenna



Main Features



Anywhere

Omega2 ESA ensures secure communication services without space and time constraints. Omega2 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.



Strong Durability

Omega2 ESA is light but sturdy composition and shock-resistant, so it can be used in military. IP66 waterproof enables marine services.



No mechanical break down

Omega2 ESA is light and easy to install, so convenient to control. No mechanical break down because Omega2 ESA does not use motor and BUC, and ACU board is built in.



OTM Phased Array Antenna

Omega2 ESA

Ka Band Antenna

Ka Band OTM User Terminal

모델명	Konet Omega2 (GA450)
주파수 작동 범위	TX: 27.5 ~ 31GHz RX: 17.5 ~ 21.2GHz
빔 스캔 범위	Azimuth: 0° ~ 360° Elevation: 20° ~ 90°
EIRP (typical)	≥52dBW@0°@29.25GHz
G/T(typical)	≥13dB/K@0°@19.45GHz
Modem	In-built Option
Polarization	LHCP/RHCP or Linear H/V Pol
Cross Polarization	axis ratio : ≤110@90°
Boot Pointing Time	≤3 min
Vehicle	OPEN AMIP Support
Marine	OPEN AMIP Support
Pol Switching Time	<0.5ms
Beam Switching Time	≤0.3ms

Interface Features

Interface	Tx SMA port, Rx SMA port, DC port, Lan Port
Control interface	Ethernet

Physical Dimensions

Size (W x D x H)	1000mm x 700mm x 75mm
Weight	≤26kg

Power Supply Requirement

Rated Voltage	28V(19V ~ 31V)
Power Consumption	≤650W (peak)

Environment Parameters

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

Frequency Converter Parameters

Freq Local Oscillator	Transmit: 27.6Ghz, Receive: 16.85/18.05Ghz (Changeable)
Manufacturer	GLOBAL KONET Co., Ltd.

