

Azimech COTM User Terminal

Multi Orbit, Multi Beam

Auden's XEO Satellite Ground User Terminal features a 32 x 32 antenna array with 3D beamforming and scanning capabilities, designed to meet diverse user requirements.



Applications

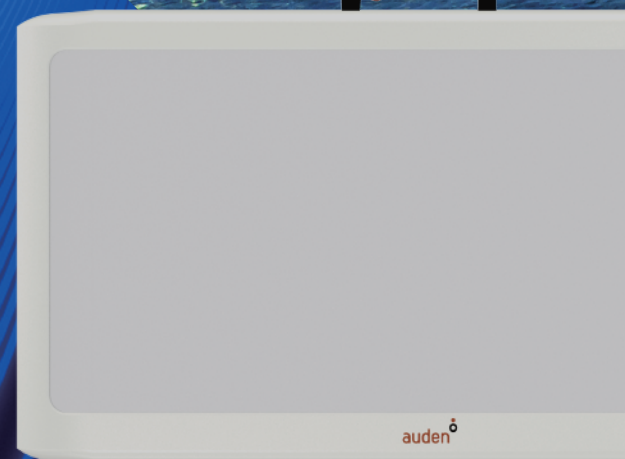
- Broadband communications
- Emergency services
- IoT, Cloud services applications
- Government and military defense
- Maritime, Logistics and transportation tracking

Features

- Ultra-thin thermal design, compact and portable.
- Integrated design for quick setup.
- Patented separate module box design, convenient baseband switching.

Performance Advantage

- Proven design beam tracking algorithm.
- Multiple modem support in one box.



Specification table

Item	Spec description
Supportable Orbit	LEO, GEO
Support Modem	OneWeb LEO SSM, OpenAMIP GEO modem
RF Frequency Range	TX 14.0~14.5GHz RX 10.7~12.7GHz
EIRP	42 dBW(0°)
Beamwidth	3°
Beam Resolution Tx/Rx	0.5°
Beam Switching	< 400 μs
Accuracy	Tracking Accuracy ±0.5°
G/T	11dB/K
GPS	Internal GPS/ GNSS/ Galileo
IMU	Internal IMU Subsystem 9-Axis Gyro, Accelerator
Azimuth Range	360°
Elevation Range	±60° , 120°
Dimensions HxWxD	1000x560x70 mm
Weight	<20 Kg w/o power adaptor, IP66
Operating Temperature	-4°F - 131°F (-20°C - 55°C)
Typical Power Consumption	300W
Powering Type	48V DC
Connector	Ethernet

Design features



Invisible handler



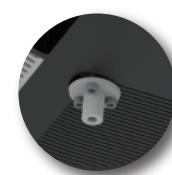
Modular Modem BOX



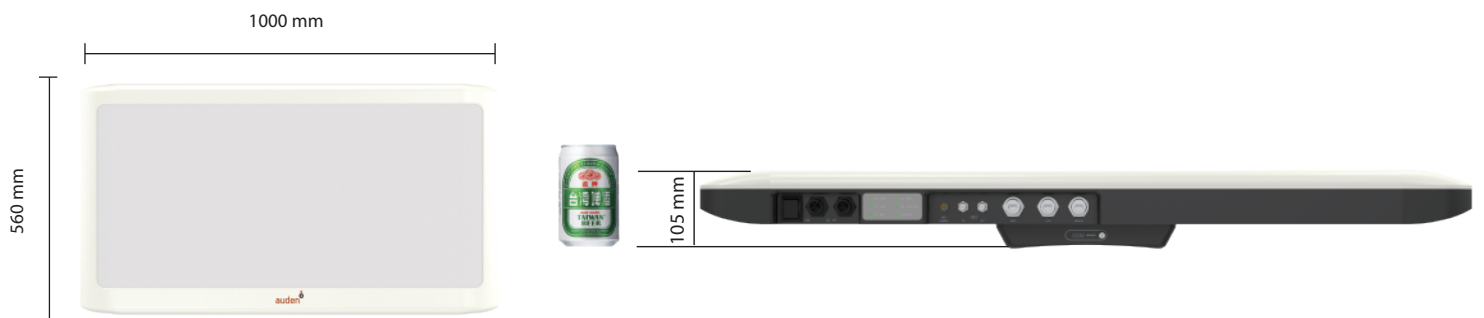
Light indicator



External F connector



Detachable screw



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