

Comm**tact**

MOST - Mobile Satellite Terminal

Broad-band communication with geo-stationary satellites in Ku/Ka bands



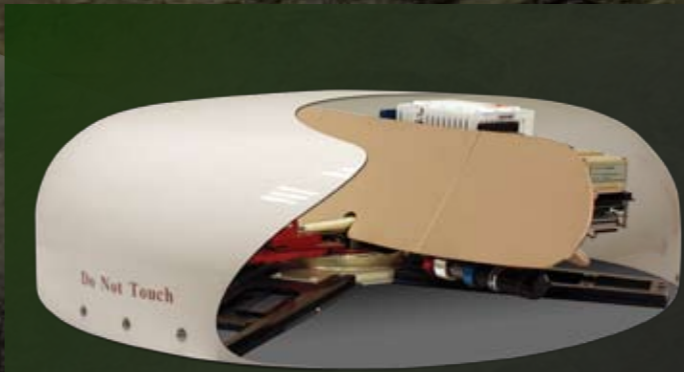
A complete mobile data-link solution:

MOST provides mobile terminals to establish a high bit-rate satellite data link. The terminals operate in Ku/Ka bands using services of GEO-Stationary satellites. MOST is designed for land vehicles, sea vessels, and airborne platforms. It maintains unprecedented low profile and lightweight to ensure minimum downgrade to existing platform performance.

High Bit-rate
2 Way Datalink

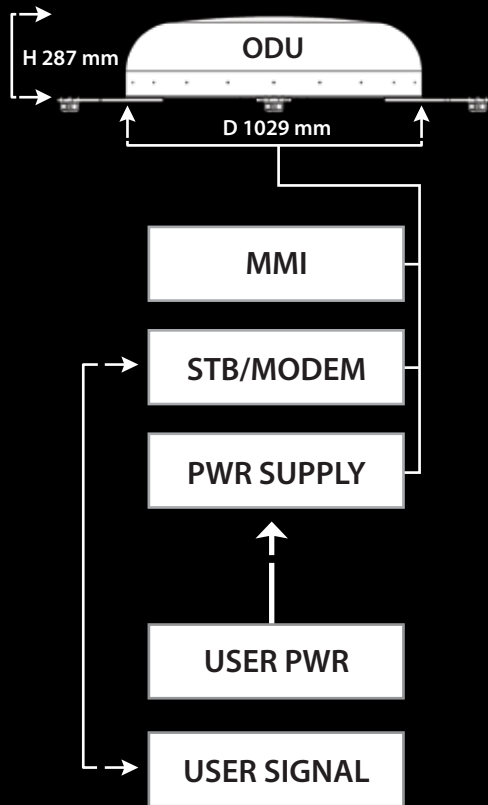


HF
VHF
UHF
VIDEO



- System Main Features:**
- Connectivity to any tactical data link system (HF, VHF, UHF, etc)
 - High bit-rate information transfer (uplink and downlink)
 - Low profile, Lightweight, Ruggedized system

Specifications:



Antenna

Frequency range Rx..... 10.95GHz - 12.75GHz
 Frequency range Tx 13.75GHz - 14.5GHz
 Uplink up to 2Mbps
 Downlink up to 8Mbps
 Antenna gain 30dBRx, 31dBTx
 G/T 8dBper deg. K
 Polarization..... linear, adjustable

Pedestal

Azimuth 360° continuous
 Elevation 20°-70°
 Polarization..... 180° continuous
 Angular velocity..... AZ= 60°/S, EL= 110°/S
 Angular acceleration..... AZ= 45°/S², EL= 45°/S²
 Tracking accuracy..... 0.4°

Assembly

Input power..... 12/28/48/72VDC
 Operating temperature..... -30°C to 55°C
 ODU Weight..... 28Kg
 ODU-IDU..... One cable connection

