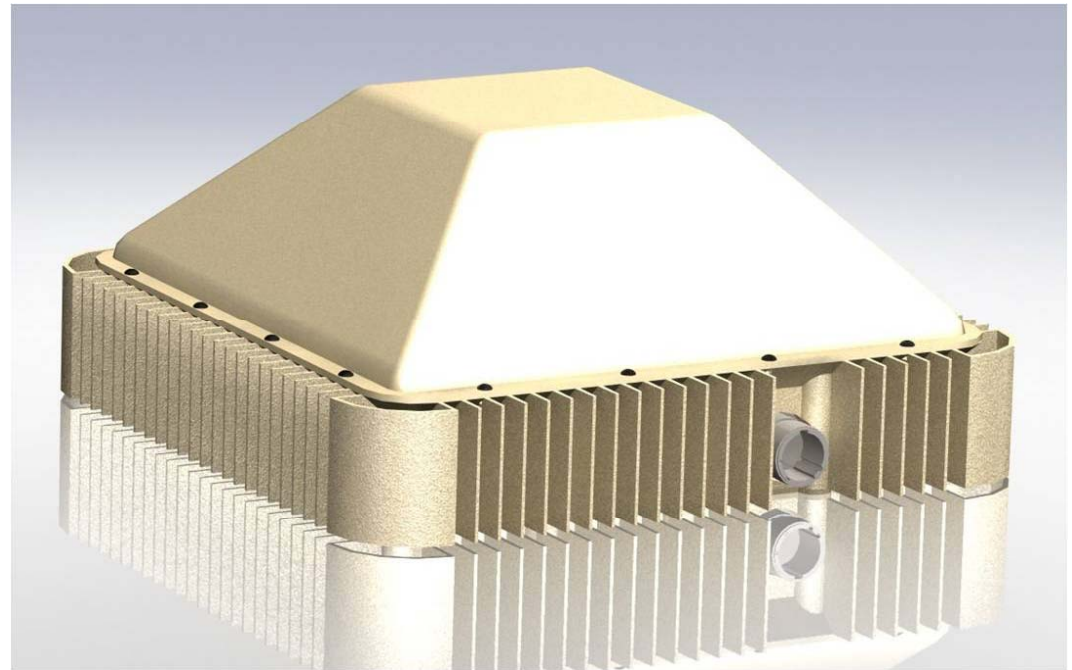


US Army Small Aperture X-band (SAXBA) SATCOM-On-The-Move Terminal

- WGS or XTAR satellite operation
- FDX On-the-Move communications
- 30-300 Kbps Rx & 8-32 Kbps Tx
- Phased array beam steering antenna
 - Coverage: 0-360° AZ & 0-90° EL
- Embedded spread spectrum modem
- Ethernet IP based interface
- Hub and Spoke configuration
- Multiple access networking
 - 10,000 units per WGS sub-channel
 - User owned Hub/Ground Station
- FIPS 140-2 TRANSEC
- Type 1 COMSEC support with KGV-72 or KG-250 INE
- MIL-STD-188-164A operation
- MIL-STD-810F, MIL-STD-461F
- Weight under 15 lbs
- Vehicle powered 28 VDC
- TRL6 availability by July 2011
 - WGS certification planned



SAXBA dimensions: 11"x11" Base x 6" H

SAXBA Operations Concept

