

	Orbcomm	Iridium	Globalstar (simplex)
Frequency	VHF - 150MHz	1.6 GHz	1.6 GHz
Latency	2-20 minutes	20 seconds	<2 minutes
Message size	up to 100 bytes	up to 300 bytes	8 bytes
Message concatenation	Yes - up to 8K	No	No
Network Type	LEO - 29+ satellites, 10+ earth stations	LEO - 66 satellites - MESH N/W, 2 earth stations, 1 military, 1 commercial	LEO - 64 satellites, 15+ earth stations
SBD Duplex data products	Yes	Yes	Yes
SBD simplex data products	No	No	Yes
Modem Availability	Quake, Stellar, Digi-Mobiasos	Quake, Iridium VAR network	Globalstar/Axon
Modem cost	<\$190	< \$420	<\$120
Module Availability	Quake, Stellar, Digi-Mobiasos	Iridium VAM Network	Axon
Module Cost	\$300	\$1000	\$250
Airtime Costs	\$15/10K	\$20/15K	>\$10/100 messages
Benefits	Low cost hardware and airtime	Fast data - great for security Pole to Pole coverage	Very low cost hardware and airtime - great for high asset volumes and simple Slap n Track
Applications	Large volume applications Large OEM machinery producers Non-urgent data applications Static M2M Utility monitoring	Urgent data applications High volume SBD data applications	Non-mission critical data applications Non-data intensive applications where power would be an issue Slap & Track - one way data, battery powered applications Trailers, containers