



Vobal S2 VoIP Server

Vobal Technologies introduces the only VoIP telephone service optimized – and endorsed by Inmarsat – for use with FleetBroadband Standard IP

S2 VoIP Service Overview

VoIP telephone service is not a novelty. It is a proven and reliable technology used throughout the world – wherever broadband internet services exist. It is typically deployed with every shipboard VSAT installation; and VoIP is the de facto standard voice protocol for emerging 4G mobile telephone networks.

Vobal S2 VoIP service utilizes a unique, propriety protocol designed specifically for use on Inmarsat FleetBroadband Standard IP Data circuits. Merchant vessels outfitted with Inmarsat FleetBroadband can quickly and easily implement high quality VoIP telephone service with global termination.

Imagine marine telephone service for only \$0.12 per minute... Commercial vessel operators can literally profit from their vessel's access to "always on" Internet. VoIP represents the lowest cost marine telephone service ever available to vessel operators.

Of course, the cost of VoIP telephone service is directly proportional to the cost of FleetBroadband Standard IP Data service – measured in megabytes. Vobal Technologies provides 22 minutes of telephone service using only one megabyte of bandwidth. Vessel operators with FleetBroadband pricing plans based on SCAPs or the new VLA plans typically have an excess of prepaid bandwidth available for consumption each month. Rather than let that valuable airtime go to waste, use it for VoIP telephone service. Significantly reduce the

Service Overview Cont'd...

cost of shore-to-ship calls for vessel operations or provide the Crew with subsidized, low cost telephone services - without any incremental increase to monthly communication costs.

Vobal S2 VoIP is unique! There are literally no other VoIP services available to the maritime community which have been independently validated and certified to provide high quality voice telephone services with Standard IP bandwidth consumption being less than 0.05MB per minute.

Vobal Technologies leverages more than 10 years of Voice over Internet Protocol expertise and our proprietary, award winning, and patented technology. Indeed, the Vobal Management team has earned a reputation as a global leader in the development and delivery of low cost, high quality solutions which has enabled dozens of leading wireless carriers, broadband service providers, and satellite communication companies to offer powerful, differentiated VoIP enabled services in many of the world's most technically challenging operating environments.

Optional Maritime GSM service builds on the Vobal S2 technology and extends 2G GSM telephone service throughout a vessel's accommodations area. Crew with GSM mobile telephones can purchase prepaid airtime vouchers and receive their own, unique telephone numbers allowing for personal telephone and SMS messaging services. See our website for more information on our flagship S3 GSM Base Station Server.

Technical Specifications

Compatibility:

- "Always-on" satellite connections
(e.g., VSAT and Inmarsat FleetBroadband)

Number of calls:

- 2 lines included; option for up to 6 more

Bandwidth consumption:

- Less than 5MB/month idle bandwidth
- Less than 8kbps for calls (total voice+overhead)

Power:

- 110-240V, 50/60Hz

Temperature/Humidity:

- 3C to 45C
- 0% to 90% non-condensing

Size:

- Server: 25cm X 20cm X 5cm
- Ethernet/PBX interface: 10cm X 10cm X 3cm

Interface:

- Ethernet

Contact Information

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