



Vocality BASICS IP Diverse Routing

Dual IP WAN .

V2

Revision history table if required.

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1. BASICS IP Router- Overview

BASICS is the essential toolbox, offering a simplified approach to the deployment of networking, voice and IP solutions.

Each BASICS device provides a number of ports for connection - either to an IP WAN such as a satellite modem or over a local fibre optic connection for local reachback. Designed for applications where efficiency is critical - power, space or bandwidth - BASICS provides specific solutions for every day challenges in communications deployment.

Each BASICS unit offers a single, simple primary mode of operation, such as IP Routing, Optimisation, Voice (including STE / STU support), Four-Wire or Radio Relay, and all can be software enabled with network router functionality too.

All the BASICS platforms can be delivered in one of the following formats, ensuring both standard product network operators and tactical systems integrators have a form factor that meets their requirements.



2. BASICS IP Diverse Routing

Diverse routing allows the operator to increase service availability (SLA) of the Wide Area Network (WAN) links, by using a mix of technologies to link the remote user or remote office to the HQ. Usually in such deployments, one technology such as BGAN, would be the primary IP bearer supporting the remote user, and an alternate IP technology being the secondary bearer (please note that for BGAN, this note also refers to Fleet Broadband (FBB) and Swift Broadband (SBB). The concept remains the same.

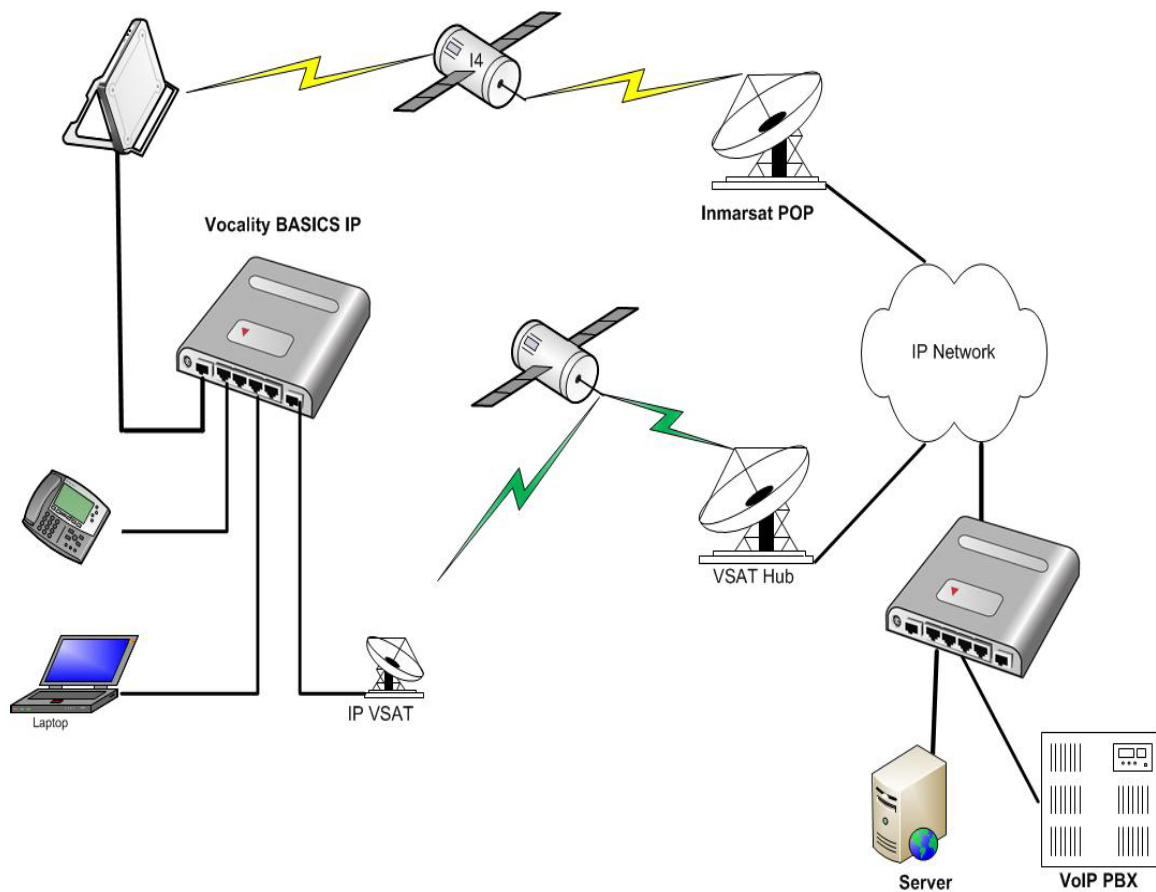


Figure 1 Basic topology

Vocality's BASICS IP supports diverse routing between 2 or more networks. It can automatically choose between a main preferred WAN connection (BGAN) and a secondary WAN connection (VSAT/FSS), or even a third (3G) and route traffic over them depending on user specified parameters, be it cost or bandwidth.

This is ideal where there needs to be backup of a prime connection in case of outages or different network coverage.

With performance, ruggedness, and cost advantages, the Vocality BASICS IP router is a clear choice for the leading edge of your network.

All that you have come to expect in a high quality architecture, you will find from Vocality. Such as support for:

- Multiple WAN connections, each supporting DHCP Client to enable seamless connection between internet, wireless and satellite connectivity
- Full open standards based routing
- Policy based routing to ensure traffic is forced down separate links
- Preferred and alternate routing supported
- TCP Optimisation
- RTP Optimisation

With Vocality BASICS at each end of the link, not only is the route switching managed autonomously, but the integrated PACE feature offers VoIP efficiency savings reducing link bandwidth, jitter buffer management and compatibility with CISCO Call Manager (CCM).

3. Typical Users

- Remote Office,
- SCADA operation,
- Mobile-2-Mobile (M2M) operation,
- Government & Defence,
- Energy/oil /Gas
- Maritime (small through large multi LAN vessel)
- Mobile asset (dual technology)
- Outside Broadcast vehicle (OBS)

4. Further Details and Support

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