



KVH OneCare™ Application Engineering Solutions

KVH Application Engineering will be happy to meet with you to design a custom business solution that will meet your fleet's needs. Here are some of the services we offer:

Connection Switching (Least Cost Routing)

The KVH ICM (Integrated CommBox™ Modem) supports connection switching after enabling the CommBox software on the ICM. We will work with you to deploy a custom switching configuration that allows your ICM to switch carriers automatically based on your designated priority and status of the connection. Each connection can also have a correlated set of firewall and email rules to allow or deny traffic based on the connection type. Example carrier types are VSAT, Iridium, Inmarsat, cell (UTMS), and Wi-Fi.

Out of Band Management

KVH can configure a backup connection to allow KVH Technical Support remote access to the VSAT system in the event the VSAT connection is down. This helps KVH Technical Support troubleshoot any issue remotely with minimal help needed from the vessel's crew.

VLAN Network Support

The ICM can support multiple VLAN networks with different firewall and email rules for operation, navigation, and crew networks. We also support routing (trunking) the VLANs to a separate network switch to expand the available number of LAN ports on the vessel.

Crew Data Allocation for Fleets

KVH offers multiple crew allocation solutions that give the master or fleet manager the ability to assign a set number of megabytes (MBs) to crew, officers, guests, etc. Each crewmember will have an account with a user name and password that will be used to connect to the Internet. The amount of MBs can be allocated per user and reset daily, weekly, or monthly. Crew user accounts can be managed from myKVH™ for individual terminals, or a CommBox Hub for fleet customers.

Email Solutions

Using CommBox software and a CommBox Hub, our application engineers create an email system for all vessels in your fleet. This email solution will automatically compress emails and attachments and restrict large emails on a per carrier basis.

Web Compression

Using a global network of shore-side Web Proxy servers, KVH can compress all HTTP web page images before they are transferred over the VSAT or other connection to the vessel.

Extend Corporate Network to Vessels (VPN)

Add a Private CommBox Hub to your corporate network and create a VPN to each vessel. This provides direct routing to/from the vessel for true enterprise network extension and treats the vessel as a branch office. This can allow Wi-Fi access point management from a single shore-side controller and/or vessel access to internal corporate systems and servers.

Private MPLS Routing

Thanks to our Global Private MPLS network, we can create a custom routing solution to connect your corporate network to the KVH network via VPN or MPLS line. This provides end-to-end QoS and routing ability.

Custom Integrated Systems

KVH Application Engineers will deliver a custom integrated system including third party equipment such as network switches, UPS systems, racks, and IP-MobileCast™ Media Servers. We will configure and test the total solution before shipment to ensure outstanding performance right out of the box.

Documentation and Install Guides

After developing and testing your custom integrated solutions, we will document the solution(s) internally as a reference guide for other KVH departments and KVH Support. Application Engineers will also create any necessary documentation and install guides to be shipped with your integrated system for use by your crew and shore-side IT team.

CREWlink™ ConnectTwo™

With KVH's CREWlink ConnectTwo service, customers have the option to offer their crew or charter passengers a dedicated data channel separate from the operational SATCOM channel, but operating through the same VSAT terminal. In addition, each dedicated data channel can also be assigned a separate billing plan for easy service administration and cost management.

CREWlink ConnectTwo also offers the flexibility to configure each of the two independent channels on the forward link (shore-to-ship) each with their own performance characteristics such as data rate, monthly data allowance, etc., as defined by each channel's assigned billing plan. The mini-VSAT Broadband™ terminal then shares the return link (ship-to-shore) with both channels and will prioritize your choice of channel on the return link to ensure optimal performance.



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