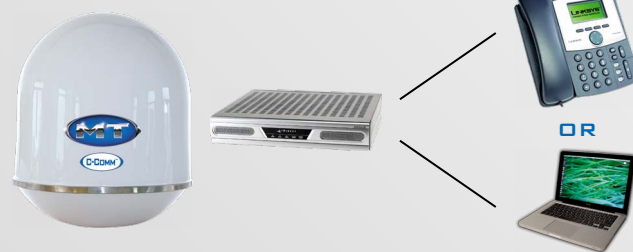# C-Comm™

Ku Band VSAT Equipment

Complete Below-deck Solutions

C-Comm offers a wide range of below-deck VSAT communications solutions utilizing the advanced technology, hardware and software applications shared by the other reliable systems from Marine Technologies (MT). Below deck packages range from simple modem-only systems to complete network solutions providing the latest communications technology embedded into MT's IEC-60945 type-approved maritime hardware.

Basic Solution: Modem Only

This modem-only solution provides one Ethernet interface and allows a single device, such as a PC or a VoIP (Voice over Internet Protocol) phone, to be connected.

Basic Solution Upgrade: Modem and Ethernet Switch

With the MT Basic Solution Upgrade, several units like PCs and VoIP phones can be connected to the C-Comm VSAT system. All units will use a public IP address, and, therefore, it is strongly advised to enable firewalls on all computers. The network switch has a built-in power supply (PoE) providing power to phones over the Ethernet cable, allowing for an easy installation and reduced cabling.

Communicate with the World

C-Comm™

Standard Solution: Modem and C-Comm Box with Ethernet Switch

MT's Standard Solution provides a complete suite of features and functions. The network is protected by a solid firewall and a full network router. Enabling the built-in VPN (virtual private network) server allows for the encryption of data.

The C-Comm Box encompasses an advanced network extending router designed to function as a junction box between networks and services on vessels. The C-Comm Box manages the usage of multiple Internet connections providing load-balancing and the ability to make failover selections, ensuring the continuous availability of network connections. This diversified design enables the C-Comm Box to provide complete network control a minimal cost.

The C-Comm Box construction is based on MT's type-approved marine computers, using no moving parts. This allows for easy integration into a vessel's network between all wide area networks and the local area networks. The C-Comm Box will adapt to most environments, virtually eliminating the need to modify an existing network infrastructure. In addition, the C-Comm Box can be integrated with Marine Technologies' security system to manage access to vessel control systems.
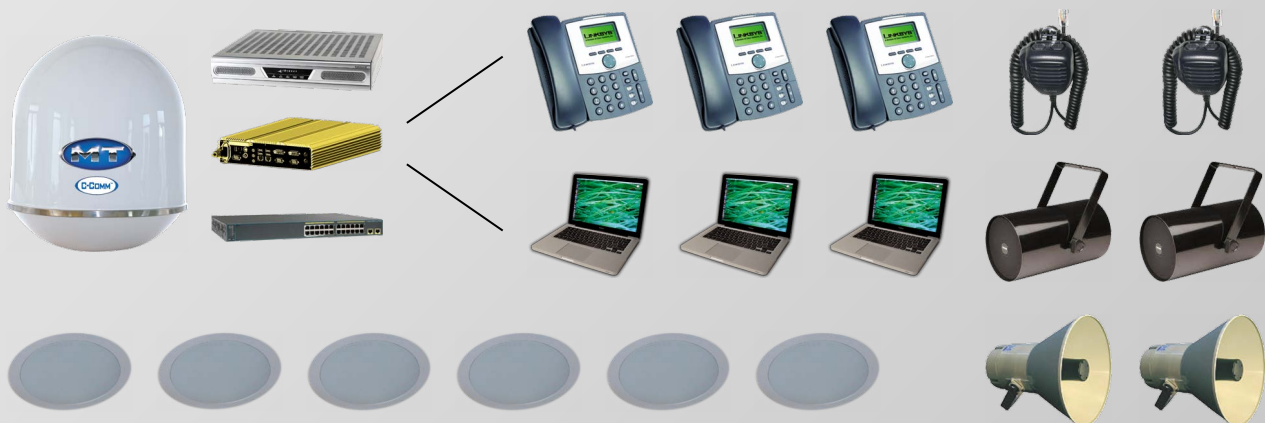
Complete Solution: C-Comm Box with Integrated Public Address and Alarm Systems

MT's Complete Solution includes all the features described in the Standard Solution, including a firewall, router and network data encryption, plus a long list of advanced features, making it the ultimate below-deck communications solution.

Features:

- Firewall protection
- Multiple WAN connections – Global: VSAT and Iridium; and Coastal: 3G and WiMAX
- Routing functionality
- QoS service
- VPN server
- Proxy server
- Host-based IDS (Intrusion Detection System)
- Fully-functional PABX
- Integrated PA speaker system
- VLAN trunk support

- Multi-interface support on both LAN and WAN
- Caching proxy for the web supporting HTTP, HTTPS and FTP, enabling extensive access controls and web surfing accelerator
- Extensive access controls
- Contend control and filtering
- Web surfing accelerator
- Data encryption for security purpose
- Web-based telephone switchboard
- Optimum cost versus bandwidth selection
- Traffic shaping