



FR in the Sky<sup>®</sup>

PRODUCT FAMILY

## FR in the Sky® Product Family

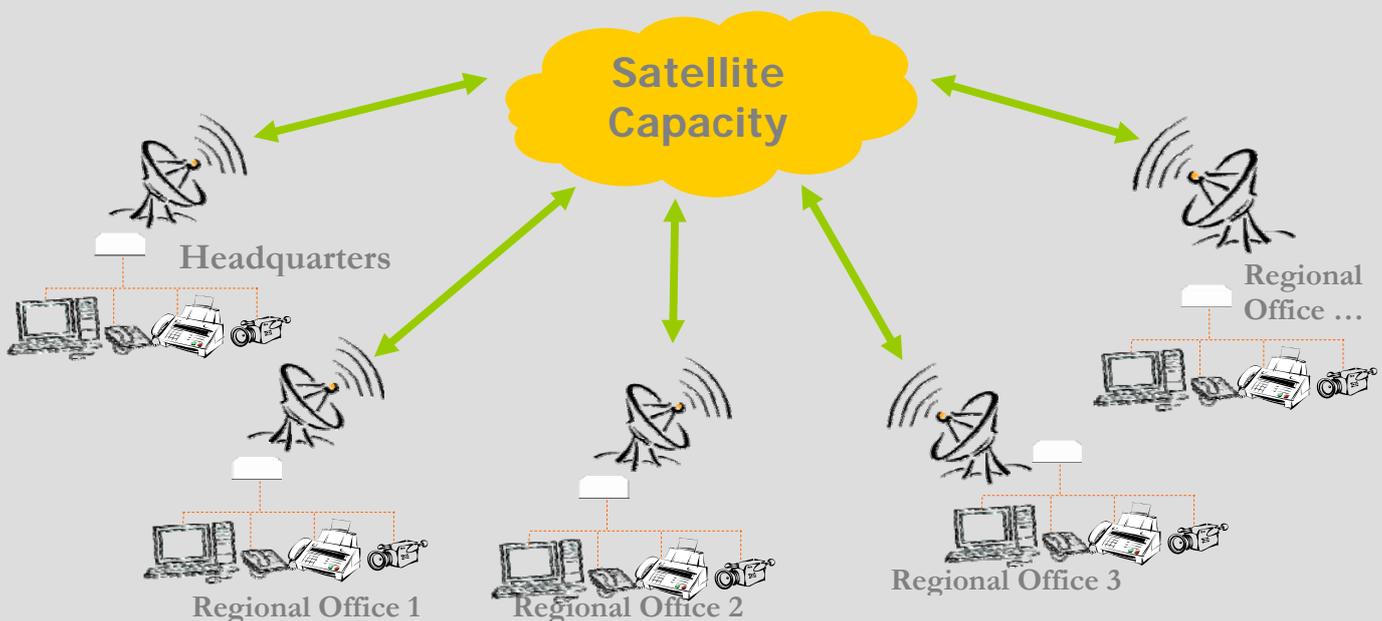
FR in the Sky® is a highly flexible and versatile VSAT system for establishing wide area corporate networks whilst providing IP router and frame relay switch functionality. Thus a wide variety of end-user business communication applications are supported in a manner as yet unparalleled in the industry. FR in the Sky®'s unique system properties are based on its leading MF-TDMA DAMA satellite modem technology and the optimized interaction of its core system components.

Next generation of FR in the Sky® products offers highest processing power and unbeatable capabilities. It is the most flexible, scalable and comprehensive VSAT (or satellite) communication solution on the market. Based on today's most advanced communication technologies, FR in the Sky® is the product of years of research by our innovative and highly skilled development team.

## FR in the Sky® Technology

The FR in the Sky® is a MF-TDMA VSAT system that supports voice, video and data applications in the most cost-effective manner. The system is capable of sending traffic bursts of 64 Kbit/s up to 8.75 Mbit/s per site and enables high speed, hub-less communication between remote sites. Any station can be reached via a single satellite hop connection supporting fully meshed network topologies.

FR in the Sky® provides instant bandwidth-on-demand through its fully dynamic bandwidth allocation scheme.





## **FR in the Sky® Product Overview**

FR in the Sky® is a Frame Relay based MF-TDMA VSAT system. Each terminal can connect with each other or with the head office directly. The system is hubless and operates with Fully Meshed topology. All terminals connected to the system operate effectively due to private CIR (Committed Information Rate).

FR in the Sky provides many different extra features due to embodying the characteristics of both VSAT and SCPC. The system provides the capacity of 8 Kbit/s up to 8x2 Mbit/s per site and unlike many other systems can operate asymmetrically.

All modems provide static or dynamic IP routing with IP Quality-of-Service (QoS) according to the Diffserv standard.

TCP Acceleration is available as a fully integrated and optimized software option and enhances all TCP applications.

## **FR in the Sky® NMS Tools**

A Network Management System (NMS) is provided for managing and monitoring the FR in the Sky® terminals and network. Based on HP OpenView Manager, the NMS utilizes SNMP and runs on professional quality PC equipment. For redundancy purposes a backup NMS can be installed at any site of the network.

## **FR in the Sky® modem**

The FR in the Sky® modem is a MF-TDMA modem with built-in IP routing, frame relay switching as well as multicast transmissions. Each FR in the Sky® modem provides one Ethernet/Fast Ethernet port and up to four operational Frame Relay ports. Family of Frame Relay Access Devices (FADs) attach to the frame relay ports to provide a full range of legacy interfaces and protocols, such as V.24, HDLC, X.25 plus analog and digital voice channels.



## Trio Satellite Solution

Trio Telekom was founded in 2003 to provide all kinds of satellite services in the domestic and international markets and has the 2nd type license of the Turkish Telecommunications Authority. Trio provides all services according to this license.

Hence Trio Telekom provides seamless communications opportunity even in isolated regions without terrestrial infrastructure or at sea. Our solution helps to connect regional centers and headquarters over Satellite providing simple and flexible solutions that ensure such kinds of IP applications as telephone, fax, video conference and other multimedia services. Thanks to our experience, stored knowledge and technology Trio Telekom provides services that can please all clients' expectations and requirements.

Due to the possibility of using all trade satellites Trio Telekom provides easy, flexible and economic Satellite-based communication solutions for companies that have offices all over Europe, Asia and Middle East providing all kinds of communications.

Information Technologies develops quickly nowadays Trio Telekom succeeds in keeping step with this process and is perfectly aware of the clients' needs.

Thanks to fast response mechanism Trio Telekom unlike other competitors perform its investments to international communications solutions therefore has proved being the leader service provider in the area.

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