



SkyPET™

THE PREFERRED DVB-RCS SOLUTION FOR STAR
NETWORK TOPOLOGIES



Get connected

TRIO TELEKOM presents SkyPET™ product, which is the broadband satellite communication solution for service providers, satellite operators, telecoms, ISPs, enterprises and government organizations.

Whether providing enterprise communications to one or more end customers, Internet access to regions where no terrestrial infrastructure is available, connecting a large number of remote corporate sites or distributing tele-educating information to multiple remote locations, SkyPET™ obliges with versatility, scalability and reliability.

SkyPET™ Overview

SkyPET™ is the solution for IP-based communication and access networks in a Star-topology environment. With its central hub and small low-cost remotes, it is an ideal network system for providing IP connectivity.

Individual agreements with end-users are supported regarding the contracted capacity and Quality of Service (QoS). The Service Level Agreement (SLA) information is maintained in a database. Individual terminals or terminal groups access the network according to Service Level Agreement (SLA) information maintained in a central management database. Virtual Private Networks (VPNs) as well as specific IP Routing schemes can also be configured. The SkyPET™ system is therefore highly suited to WAN-like network approaches as well as for corporate, closed user group networks.

The SkyPET™ technology provides instant bandwidth-on-demand through its fully dynamic bandwidth reservation and allocation system with various traffic classes. Return link capacity is automatically assigned to stations requiring transmission capacity when they need it, and released to be used by other terminals when it is no longer required. This technology allows a maximum utilization of valuable space capacity.

Communication Applications

The SkyPET™ system is a single platform solution for all IP packet based communication. A wide range of applications using data, video, and voice are supported, such as:

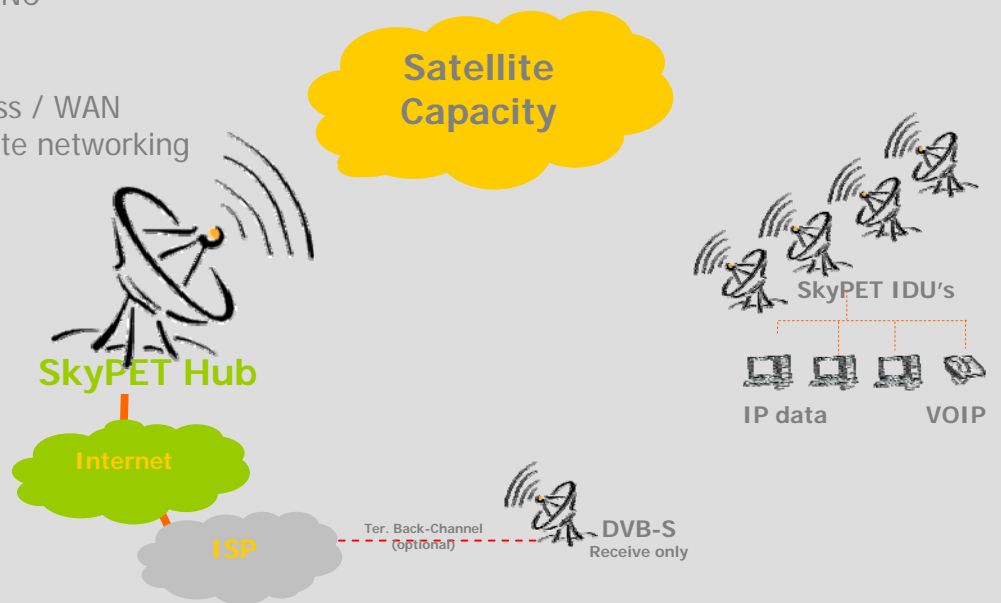
- LAN-to-LAN interconnection via built-in router
- DSL-like WAN access to the Internet with modem support, such as DHCP, NAT
- Multicast distribution or push data networks
- SCADA and other lower bandwidth applications as POS networks with authentication
- Video conferencing
- Video streaming, Video on Demand (VoD)
- Voice over IP telephony (analog or digital as well as PBX trunks)
- Internet access with all related applications
- Tunneling and encryption for VPN realization
- Combination with 1-way DVB-S receive only terminals
- Combination with TV broadcasting Services

Key System Features

- 2-way interactive system based on DVB-RCS standard
- Star topology scalable to unlimited terminal numbers
- Excellent throughput performance as required by applications and end users
- Always-on broadband connectivity for all locations
- Dynamic Bandwidth Allocation for IP data in both directions
- High bandwidth efficiency with fast reaction time
- Multicast reception for all remotes
- Built-in application support, such as DHCP, NAT, GRE, TCP-A (FL)
- IP Quality of Service (QoS) support in terminal
- Hybrid combination with 1-way DVB-S systems
- Shared hub approach
- Available for Ku-band and C-band
- Rapid deployment
- Single open platform solution for all requirements
- Open platform/standard
- Modular approach – extendable with additional features
- Long-term SYNC interval
- Traffic Resource Management
- Adaptive Coding
- Contention slots for RA-SYNC

SkyPET™ can be used for:

- Broadband Access Internet Access / WAN
 - LAN connectivity / corporate networking
 - E-mail
 - FTP
- Rural Communication
 - Voice-over-IP (VoIP)
 - Web browsing
 - TV broadcasting
- Multicasting
 - Web-casting
 - Video streaming
 - News group access
 - Push data delivery
 - Pull data delivery
- E-applications
 - E-medicine (video, conferencing, image-video-audio transfer)
 - E-learning (interactive distance learning)
 - E-government (access to authority)





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.

Trio Telekom İletişim Hizmetleri Tic. Ltd. Sti.
Dinlenc Cad. Murtezaoglu İş Merkezi No: 11/3
Kadıköy, İstanbul, 34718, Turkey
Tel: +90 216 545 71 48
Fax: +90 216 545 71 49
info@trioturk.com
www.trioturk.com